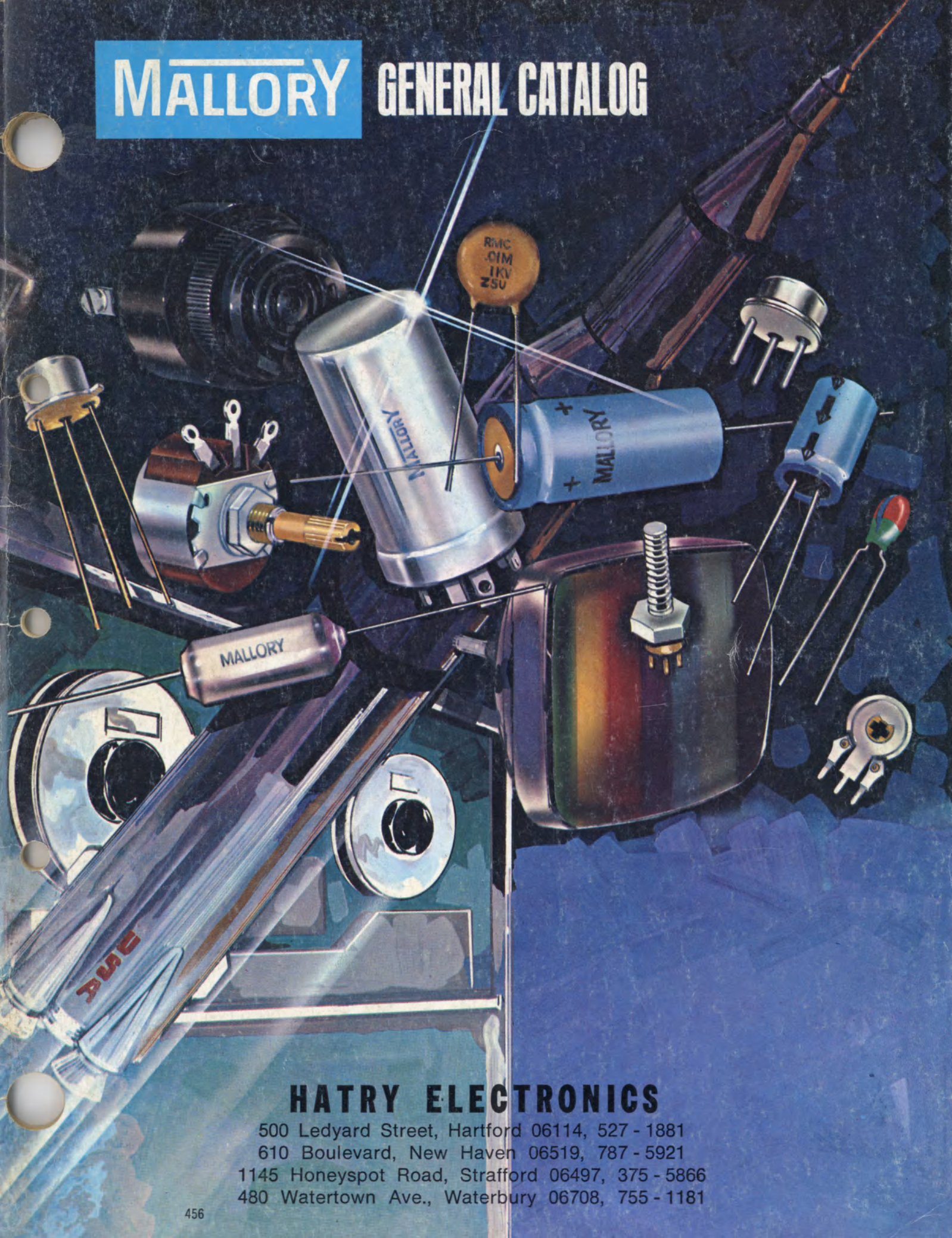


MALLORY GENERAL CATALOG



HATRY ELECTRONICS

500 Ledyard Street, Hartford 06114, 527 - 1881
610 Boulevard, New Haven 06519, 787 - 5921
1145 Honeyspot Road, Strafford 06497, 375 - 5866
480 Watertown Ave., Waterbury 06708, 755 - 1181

MALLORY MERCHANDISE DISPLAYS

SEE PAGE 80 FOR ORDERING INFORMATION AND FULL DESCRIPTION

1. Security Products Merchandisers



2. Sonalert® Merchandisers



3. Mallory Solderless Terminal Centers



4. PTC Semiconductor Center



5. UHO Tape Centers



6. EPC Electronic Parts Centers



All Mallory displays have been designed for maximum space economy. Each display is designed to generate consumer interest through bold modern graphics and easy access to all products.



ABOUT MALLORY . . .

We wish to thank our ever-growing family of distributors, as well as millions of other customers throughout the world, for their enthusiastic acceptance of Mallory products.

Mallory began in 1916 at the very dawn of the electronic age. Through the years we've grown from serving a small number of radio experimenters to our present position of serving space technology, industry, government, field technicians, and literally everyone, everywhere, who purchase and use nearly any type of electronic device. Today, our principal businesses are electronic components, batteries, metals and materials.

In the future we intend to continue providing our customers with only the finest products obtainable and to maintain our position of leadership in the rapidly advancing state of electronics technology. We're here to serve.

The Mallory People

Introduction

The Mallory General Catalog presents in condensed form the thousands of precision electronic components available from Franchised Mallory Distributors. For more detailed information about specific products, ask your distributor for the appropriate Mallory technical bulletin.

This edition of the General Catalog contains many new products. Some are additions to existing lines and others are completely new products not previously available from Mallory. All are identified by a large dot either along side of the Mallory catalog number or the product description.

Because of the extremely broad nature of the Mallory line, some of the products shown in this catalog may not be stocked by your local Mallory Distributor. He will, however, be pleased to help you in every way possible. Remember, your Mallory Distributor is your best source for all of your electronic requirements.

Prices shown in this catalog are intended solely as a guide and are subject to change without notice.

In the interests of improved design and performance, P. R. Mallory & Co. Inc. reserves the right to make changes in any specification shown.

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MYLAR® DUPONT TRADEMARK

MALLOBIN® and SONALERT® are P. R. MALLORY & CO. INC. TRADEMARKS

Product Index

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The information contained herein is believed to be correct, but no guarantee or warranty with respect to accuracy, completeness or results is implied and no liability is assumed. Nothing herein is to be construed as advising or authorizing practice of any invention covered by existing patents owned by P. R. Mallory & Co. Inc. or others without license from the owners thereof. In the interest of improved design and performance, P. R. Mallory & Co. Inc. reserves the right to make changes in any specification, data, or material contained herein.

Metal Can Electrolytic Capacitors



FP-WP capacitors are designed for 85°C. operation, through 450 volts, higher voltages designed for 65°C, and have standard twist-prong mounting lugs with solder terminals. PFP-PWP types use standard EIA printed circuit terminals and can be used in place of normal solder terminal types. FP-WP types may be adapted to printed circuit mounting by using an FPA Adapter Kit (Net Each, .44¢). All types use "etched cathode" construction for hum-free operation, and have an exclusive vent and seal design. Standard tolerance: Up to 50 WVDC, —10% to +150%; 51 to 350 WVDC, —10% to +100%; 351 WVDC and up —10% to +50%. For complete technical information request Bulletin 4-101.

Singles

FP-WP AND PFP-PWP — SINGLES

Mallory No.	Cap., mfd	WV DC	*	Net Each
PWP031C	2500	10	M	\$2.36
FP031.8A	10000	10	G	7.73
WP039A	1000	15	L	2.20
WP041A	2000	15	F	2.96
WP042A	3000	15	F	3.66
FP042.6	5000	15	G	5.10
FP042.8A	10000	15	H	8.36
WP057A	500	25	L	1.86
WP059	1000	25	F	2.73
PWP060A	1500	25	C	2.78
FP060.2	2000	25	R	3.66
FP060.4A	4000	25	G	5.63
FP060.6A	5000	25	H	6.63
FP060.8	7500	25	N	7.93
FP062	5000	45	N	6.63
WP064A	100	50	L	1.38
WP064.2A	150	50	L	1.56
WP065	500	50	F	2.19
WP066B	500	50	B	2.19
PFP066.4	1000	50	B	3.23

Mallory No.	Cap., mfd	WV DC	*	Net Each
FP066.5	1000	50	F	\$3.00
PWP067A	1250	50	G	3.10
WP068A	1500	50	F	3.71
FP070A	2000	50	H	4.23
FP115A	50	150	L	1.36
FP116A	100	150	L	1.69
FP116.5A	120	150	B	1.88
PFP116.8A	140	150	B	1.88
FP117A	150	150	B	1.94
FP117.5	150	150	F	1.94
FP118A	200	150	F	2.13
FP119A	300	150	F	2.45
FP121	120	200	F	1.96
PFP121.5	125	200	B	2.13
FP122A	125	200	B	2.13
PFP122A	160	200	F	2.53
PFP122.9	400	200	F	1.73
WP123A	500	200	H	4.24
• FP123.1	1200	160	I	4.63
• FP123.2	1400	175	N	4.92

Mallory No.	Cap., mfd	WV DC	*	Net Each
• FP123.3	950	200	H	\$4.21
WP125.5A	140	250	C	2.63
WP125.9A	150	250	C	2.63
FP125.95M**	160	250	D	2.63
FP127	200	250	D	3.15
FP128A	80	300	C	2.15
• FP128.1	750	250	I	4.43
FP129.1A	100	300	C	2.35
WP131.5M**	160	300	G	2.63
FP131.7	160	250	G	2.34
WP132	200	300	G	3.84
FP135A	30	350	L	1.65
FP137A	50	350	B	1.86
FP137.2A	60	350	C	1.99
FP138A	80	350	F	2.51
FP140A	125	350	G	3.16
FP140.6A	150	350	G	3.40
FP140.7	200	350	F	4.09
FP140.91	250	350	G	4.16
FP141	320	350	I	4.84

Mallory No.	Cap., mfd	WV DC	*	Net Each
FP143A	15	450	L	\$1.50
FP144A	20	450	M	1.58
PFP144A	20	450	M	1.58
FP145A	30	450	B	1.69
FP146	40	450	C	1.90
FP147	50	450	D	2.16
FP148A	60	450	F	2.41
FP149	80	450	G	2.75
FP150A	100	450	G	3.03
FP155A	125	450	H	3.44
FP171A	10	500	L	1.50
FP173A	20	500	M	1.78
FP176	40	500	F	2.54
PFP176.5A	40	500	C	2.14
FP177	40	500	D	2.25
FP187A	90	500	G	3.35

**Suffix "M" designates plastic sleeve.

Duals

FP-WP AND PFP-PWP — DUALS

Mallory No.	Cap., mfd	WV DC	*	Net Each
WP204	250-1000	10-6	F	\$3.64
WP200	1000-1000	15-15	F	3.64
WP200.1B	1000-1000	15-15	B	3.64
WP200.23	1500-1000	16-10	F	3.72
PFP200.171	900-700	16-16	M	3.38
WP200.5A	500-100	20-20	L	2.31
WP200.2B	1000-2000	25-15	F	4.41
FP201.14	500-500	25-25	F	3.79
PWP201.15A	1000-1000	25-25	F	3.49
PWP201.3A	1500-1500	25-25	G	4.35
FP201.4	1000-500	30-30	F	4.73
PFP201.6	800-3000	35-35	D	5.59
WP201.5A	1000-1000	35-35	F	4.14
• FP202	2000-2000	40-40	G	2.76
WP202.1A	50-50	50-50	L	1.68
WP202.5A	100-100	50-50	L	1.84
FP202.9	1000-1000	50-50	G	4.39
• FP204	1500-1500	50-50	G	2.77
• FP206M	47-150	100-100	M	2.01
• FP207.5	500-750	125-125	N	3.76
FP208A	20-20	150-150	L	1.65
FP212A	40-40	150-150	L	1.73
FP213A	50-30	150-150	L	1.80
PFP213.1A	50-30	150-150	L	1.85
FP214A	50-50	150-150	L	1.89
PFP214.3	70-30	150-150	B	1.93
FP216.2A	80-40	150-150	M	2.11
PWP214.4A	80-40	150-150	B	2.00
WP216.24	80-50	150-150	B	1.98
PFP214.7A	100-50	150-150	B	2.29

Mallory No.	Cap., mfd	WV DC	*	Net Each
FP215A	125-100	150-150	R	\$2.81
FP216.3A	200-150	150-150	F	3.11
FP216.4A	200-200	150-150	G	3.45
• FP216.51	500-500	175-175	I	4.23
• PFP216.2	10-470	200-200	F	3.06
FP216.7	250-100	200-200	G	3.66
• FP216.81	200-400	200-200	G	3.11
FP216.9	300-300	200-200	I	4.54
FP217A	20-20	250-250	L	1.78
• FP217.81	100-750	250-250	S	4.41
FP221A	40-40	250-250	M	2.13
FP217.7A	150-150	250-250	G	4.05
FP217.74A	200-200	250-250	H	4.84
FP217.863	150-350	300-150	H	3.71
FP217.87	40-40	300-300	F	2.55
FP217.9A	75-75	300-300	G	3.20
FP218A	120-20	300-300	G	3.10
FP219.7	150-100	300-300	H	4.60
FP219.9	200-100	300-300	J	5.15
FP227A	20-20	350-350	B	1.99
FP227.3A	30-30	350-350	C	2.40
FP227.5A	80-40	350-350	G	3.50
FP227.6A	80-80	350-350	H	4.05
FP227.7A	100-100	350-350	J	4.60
FP227.9	150-100	350-350	J	5.50
FP227.95	150-150	350-350	H	2.70
FP227.96	200-200	350-350	J	5.89
FP227.98	150-270	350-350	N	5.78
PFP227.97	250-100	350-350	J	4.16
• FP228.2	250-250	350-350	N	4.57

Mallory No.	Cap., mfd	WV DC	*	Net Each
FP228.3	150-20	350-350	H	\$3.91
• FP228.4	150-1500	400-50	I	3.98
WP229.52	120-120	400-400	I	6.01
FP230.21	80-200	450-250	G	3.96
FP230.5	10-50	450-350	D	2.25
PFP230.7	80-2	450-350	H	2.91
FP231A	10-10	450-450	M	1.68
FP231.3A	20-10	450-450	B	2.00
FP234A	20-20	450-450	C	2.21
FP237	30-30	450-450	G	2.63
FP238A	40-40	450-450	G	2.96
FP239A	50-40	450-450	G	3.40
FP240±	50-50	450-450	H	3.76
FP242A	60-20	450-450	G	3.20
FP242.5B	60-60	450-450	H	3.93
FP245.2	80-20	450-450	H	3.56
FP245.5	80-80	450-450	J	4.58
FP247A	100-40	450-450	J	4.29
FP248	100-60	450-450	I	4.63
FP253	80-160	475-250	N	4.65
FP264.5A	80-40	475-475	H	4.31
FP266A	80-50	475-475	J	4.50
FP282A	10-10	500-500	B	1.96
FP282.5	20-20	500-500	F	2.44
FP284A	30-30	500-500	F	3.25
PFP284.1B	30-30	500-500	F	3.25
FP288A	40-40	500-500	G	3.73
FP290A	60-40	500-500	H	4.20

*Key for case size.

±Can ungrounded for photoflash.

For FP-WP Capacitor Hardware and Data see page 37 and 38.

Metal Can Electrolytic Capacitors

Triples

FP - WP AND PFP - PWP — TRIPLES

Mallory No.	Capacity mfd	WV DC	* Net Each	Mallory No.	Capacity mfd	WV DC	* Net Each	Mallory No.	Capacity mfd	WV DC	* Net Each
WP300.7A	850-400-4	16-16-11.5	B \$3.46	FP321A	40-20-20	250-250-250	B \$2.31	FP341.6A	50-160-50	450-250-50	J \$4.31
PFP300.18	500-450-100	16-16-16	L 2.76	FP321.5	40-40-40	250-250-250	C 2.53	FP341.85	80-40-40	450-250-250	G 4.13
PFP300.86	500-500-500	16-16-16	L 4.39	FP323A	80-80-60	250-250-250	F 4.04	FP343.5	20-20-20	450-350-350	D 2.84
• FP302.5A	80-60-250	150-150-10	C 2.56	• FP323.1	100-100-1000	275-275-75	G 3.74	FP342.75	80-2-25	450-350-25	H 3.23
FP303.1	2000-2000-50	40-40-40	J 2.81	FP335A	100-60-20	300-250-250	G 4.04	FP342.8	80-50-100	450-350-200	I 5.04
• FP303.2	1900-1900-1900	40-40-40	H 3.51	FP326.7A	140-100-60	300-300-50	H 4.90	FP343.2	50-10-160	450-400-250	J 4.73
• FP303.3	750-500-500	50-40-40	R 2.61	FP326.62A	80-40-40	300-300-300	G 3.88	FP345.2	10-10-20	450-450-20	B 2.04
• FP303.9	750-1500-500	50-40-40	G 2.84	• FP326.68	4-80-10	300-175-150	L 1.93	FP345.8	20-20-20	450-450-25	C 2.46
FP310.1	500-500-100	50-50-50	C 4.54	• FP326.69	40-200-200	300-175-175	F 3.12	FP346A	40-40-20	450-450-25	G 3.45
• FP310.2	1500-1500-200	50-50-50	H 3.01	FP326.75A	150-30-30	300-300-300	H 4.31	FP365A	10-10-40	450-450-50	B 2.40
FP310A	40-40-20	150-150-25	L 2.06	FP326.78A	140-100-20	300-300-300	J 5.06	FP368.3B	80-20-100	450-450-50	H 4.06
FP311A	50-50-20	150-150-25	M 2.29	FP326.79	200-100-2	300-300-300	H 5.23	FP368.61	80-80-50	450-450-50	H 5.05
PFP311.63A	30-50-40	150-150-150	B 2.24	PFP326.791	50-500-1000	350-40-40	G 3.52	FP369.1A	40-40-40	450-450-150	G 3.58
FP311.5A	40-40-40	150-150-150	M 2.19	PFP326.80	50-500-2500	350-40-40	I 4.78	FP375A	40-40-100	450-450-200	J 4.09
• FP311.31	400-400-500	150-150-35	H 3.31	• FP326.801	30-500-500	350-50-35	B 2.25	FP375.75	80-80-20	450-450-400	N 5.23
PFP311.62A	50-30-20	150-150-150	M 2.10	FP326.81	150-100-100	350-50-50	F 6.38	FP375.45	4-20-50	450-450-450	E 3.46
FP311.65A	50-50-50	150-150-150	B 2.46	• PFP327.36	100-150-80	350-200-200	G 3.09	FP375.73	10-80-80	400-450-450	H 5.14
FP311.61	60-40-20	150-150-150	B 2.36	• FP327.82	250-250-50	350-175-175	I 4.30	FP375.8	10-10-10	450-450-450	C 2.25
FP311.8A	70-40-40	150-150-150	B 2.66	FP327.89A	40-40-40	350-300-300	F 3.65	FP376.3	20-10-10	450-450-450	D 2.46
FP311.71	80-40-20	150-150-150	B 2.55	FP330.16	150-100-200	350-350-25	G 5.11	FP376.5A	20-20-20	450-450-450	F 3.10
FP311.76	80-60-40	150-150-150	C 2.78	FP330.246	150-5-100	350-350-50	J 4.00	FP376.7A	30-30-30	450-450-450	G 3.70
• FP311.77	390-109-47	160-160-160	F 3.17	FP330.247	150-100-100	350-350-50	H 10.43	FP376.8A	40-40-10	450-450-450	G 3.70
• FP311.78	700-500-150	175-175-50	H 5.00	FP330.24	125-20-20	350-350-150	H 3.78	FP376.9	40-40-20	450-450-450	H 3.83
FP311.85A	120-80-40	150-150-150	F 3.26	FP330.26A	100-60-20	350-350-200	H 4.48	FP377.1A	40-40-40	450-450-450	H 4.23
FP312.6A	300-100-80	150-150-150	G 4.40	• FP330.30	400-80-40	350-350-175	S 5.24	FP377.7A	60-40-40	450-450-450	J 4.56
PFP312.61	250-200-10	175-150-150	G 4.54	FP330.5A	10-10-10	350-350-350	M 2.31	FP377.71	80-30-20	450-450-450	G 4.50
FP312.711	50-250-250	160-160-160	G 3.73	PFP330.6A	20-20-20	350-350-350	C 2.63	FP378	80-40-20	450-450-450	I 4.56
PFP312.71	200-50-400	175-175-175	H 5.16	FP330.7A	30-20-10	350-350-350	C 2.36	FP378.1	80-40-30	450-450-450	I 4.88
FP312.72	320-200-20	175-175-150	H 4.87	PFP330.8A	40-40-40	350-350-350	G 3.96	FP378.4	80-40-40	450-450-450	I 5.09
• FP312.7	400-500-500	200-40-40	G 3.09	• FP331.1	50-50-1000	350-300-35	G 2.52	FP378.45	80-50-30	450-450-450	H 5.03
FP312.8A	60-200-140	200-150-150	G 4.09	• PFP331.4	160-60-140	350-350-350	I 4.35	FP384.16	10-4-100	475-350-50	B 2.19
FP314.8	200-200-40	200-150-150	G 5.19	FP331.3A	80-60-60	350-350-350	I 4.80	FP385.5A	40-80-10	475-450-450	J 4.59
• WP318.77	60-60-40	200-200-200	F 3.10	FP331.91	200-80-120	350-350-350	S 5.99	FP385.51	50-18-40	475-475-25	G 3.65
• FP318.71	400-50-100	200-200-100	F 3.27	FP332.4A	100-100-10	350-350-350	J 5.13	FP385.6	50-40-40	475-475-25	G 3.79
• FP318.72	160-150-80	200-200-200	F 2.73	WP332.44	140-140-20	350-350-350	I 6.11	• FP385.7	80-80-20	475-475-350	H 4.30
FP318.81	250-100-5	200-200-200	G 4.39	FP332.451	80-80-20	400-200-25	F 4.19	FP394B	10-10-10	475-475-475	L 2.60
FP318.8A	250-200-10	200-200-200	H 5.06	FP332.452	80-80-200	400-200-25	G 4.19	FP396A	30-30-20	475-475-475	G 3.78
FP318.85A	250-200-50	200-200-200	H 4.90	FP332.47	80-80-100	400-200-50	H 3.94	FP396.1A	40-20-20	475-475-475	G 3.78
PFP318.85A	250-200-50	200-200-200	H 4.85	FP332.51	10-4-20	400-350-25	L 1.91	FP396.12A	40-30-10	475-475-475	G 3.86
FP318.86	150-150-200	200-200-200	H 4.65	FP333.2A	80-40-100	400-400-50	J 4.16	FP396.22	80-10-18	475-475-475	H 4.16
PFP318.87	250-150-200	200-200-200	H 5.05	FP333.14	100-10-20	400-400-50	F 3.86	FP397.1	80-10-30	475-475-475	J 4.49
• FP318.88	150-150-80	250-200-200	F 3.12	FP333.6	20-20-10	400-400-350	D 2.51	FP398A	10-40-40	500-450-450	G 4.21
• FP318.89	100-100-750	250-250-100	G 3.74	FP333.86	100-40-100	400-400-350	I 5.76	FP399B	20-10-100	500-500-50	C 2.85
• FP318.9	100-100-150	250-250-200	F 3.10	FP333.95	100-30-20	400-400-400	I 4.63	FP399.1	40-40-100	500-500-200	H 4.99
• FP318.91	500-200-50	200-200-200	G 3.78	FP333.971	100-100-40	400-400-400	J 6.50	FP399.4	30-20-20	500-500-500	G 4.21
FP319.8A	20-20-20	250-250-250	M 2.09	• FP337	150-100-15	400-400-400	I 4.71	FP399.5A	40-20-20	500-500-500	G 3.91
								FP399.55	40-40-20	500-500-500	J 4.40

*Key for case size.

FP - WP AND PFP - PWP SIZES

*Key	Dia.	Lgth.	*Key	Dia.	Lgth.	*Key	Dia.	Lgth.
B	1"	2"	G	1 3/8"	2 1/2"	L	1"	1 1/2"
C	1"	2 1/2"	H	1 3/8"	3"	M	1"	1 3/4"
D	1"	3"	I	1 3/8"	4"	N	1 3/8"	4 1/2"
E	1"	4"	J	1 3/8"	3 1/2"	R	1 3/8"	1 3/4"
F	1 3/8"	2"	K	1"	3 1/2"	S	1 3/8"	5"

FP-WP types may be adapted to printed circuit mounting by using an FPA Adapter Kit Part Number FPAKIT, Net each \$0.44.

For FP - WP Capacitor Hardware and Data see page 37 and 38.

Metal Can Electrolytic Capacitors

Quads

FP - WP AND PFP - PWP — QUADS

Mallory No.	Capacity, mfd	WVDC	*	Net Each
FP401.9	850-400-100-15	16-16-16-11.5 rms	R	\$3.65
PFP404	400-600-120-80	100-100-100-100	J	5.09
FP407.4	60-200-400-600	40-50-125-100	J	4.34
FP407.6	200-500-500-500	125-100-60-35	J	6.19
• FP407.7	400-400-500-500	150-150-35-35	N	4.01
FP409	40-40-30-20	150-150-150-25	F	2.66
FP411.33	400-400-40-500	150-150-150-35	N	6.50
PFP412.01	250-250-20-100	165-150-150-50	H	5.05
PFP412.07	300-200-10-100	175-150-150-150	I	5.10
PFP412.08	250-200-10-5	175-160-150-150	G	4.80
FP412.09	300-200-200-10	175-150-150-150	J	5.59
WP412.1A	200-200-60-30	175-175-175-175	H	4.79
FP412.14	200-200-200-30	175-175-175-175	J	5.63
FP412.06	250-650-50-10	200-175-175-150	N	5.58
FP412.092	300-200-20-20	175-175-150-150	G	4.56
FP412.143	250-400-50-5	200-175-175-175	H	4.69
FP412.144	5-300-550-100	200-175-175-175	N	5.97
• FP412.145	350-350-150-500	200-200-100-100	S	5.24
WP412.15	200-200-100-10	200-200-200-200	I	5.39
FP412.13	160-240-240-5	200-200-200-200	I	5.65
PFP412.17	250-200-10-20	200-200-200-200	H	4.79
FP412.19	160-450-60-5	200-200-200-200	I	5.79
• FP412.21	300-200-100-10	175-175-150-150	G	3.34
PFP419.575A	150-100-5-100	200-350-150-5	H	4.79
• FP412.79	80-400-400-500	250-150-150-35	I	4.08
• FP412.791	280-200-300-40	250-250-175-175	I	4.70
FP412.9	250-200-10-10	250-250-250-250	H	6.26
FP412.91	250-200-40-10	250-250-250-250	H	6.60
PFP419.05	125-5-120-100	300-200-175-75	H	4.74
• FP417.4	10-20-50-1000	300-300-50-35	F	2.20
• FP417.41	200-50-400-2000	300-300-150-35	S	4.93
FP417.5	140-10-200-30	300-300-150-150	G	5.40
FP419.4A	100-10-200-30	300-300-150-150	H	4.56
FP419.55A	150-100-10-10	300-300-300-300	J	5.29
WP419.52	150-150-30-30	300-300-300-300	I	6.20
FP419.557	50-500-500-200	350-50-25-25	H	4.66
PFP419.599	100-500-500-200	350-50-25-25	H	7.10
FP414.1	200-150-20-50	200-350-200-200	H	7.46
• FP414.10	40-100-200-300	350-175-175-175	H	4.10
FP419.565	100-150-5-100	350-200-150-50	G	6.00
PFP414.2	180-100-150-100	350-200-200-200	N	5.96
• PFP414.11	200-50-50-20	350-200-200-200	G	3.80
FP417.26	120-100-100-100	350-300-150-75	J	5.63
• PFP417.27	100-80-250-100	350-300-175-150	H	4.30
FP418.1	40-100-2-50	350-300-175-50	G	4.66
• FP419.10	100-400-200-500	350-175-175-40	N	4.75
WP419.51	40-80-10-10	350-300-300-300	G	4.00
FP419.65A	160-60-10-4	360-300-300-300	J	5.26
FP419.615	100-25-5-25	350-350-50-25	F	4.73
FP419.635A	40-40-50-50	350-350-50-50	F	3.84
• FP419.642	200-150-100-100	350-350-175-100	N	4.74
FP419.649	40-20-100-100	350-350-200-50	F	4.06
FP419.311	150-100-20-100	350-350-350-25	H	7.09
FP419.312	4-4-50-500	350-350-350-35	F	3.78
• FP419.313	4-50-50-200	350-350-350-35	F	2.81
FP419.895	10-150-100-100	350-350-350-50	I	6.04
PFP420.17A	40-20-10-100	350-350-350-50	F	3.66
FP420.18	50-40-20-100	350-350-350-50	F	4.43
FP420.23A	100-10-10-20	350-350-350-50	G	4.08
FP420.281	150-100-10-60	350-350-350-50	H	6.75
FP419.89A	100-30-10-40	350-350-350-50	G	4.24
WP420.25A	100-40-4-100	350-350-350-50	H	4.63
FP420.273	100-100-60-100	350-350-350-50	I	5.85
FP420.28A	140-20-10-100	350-350-350-50	H	4.96
FP420.29A	90-30-5-100	350-350-350-75	H	4.38
FP420.33A	30-10-5-100	350-350-350-200	F	3.94
FP420.341	200-160-80-10	350-350-200-350	N	4.97
FP420.35A	40-20-20-10	350-350-350-350	F	3.58
FP420.36A	40-40-30-20	350-350-350-350	G	4.28
FP420.38A	40-40-40-40	350-350-350-350	H	4.61

* Key for case size see page 6.

Mallory No.	Capacity, mfd	WVDC	*	Net Each
FP420.4A	80-60-40-20	350-350-350-350	J	\$5.08
FP420.37	100-100-50-50	350-350-350-350	H	4.54
FP420.406	150-100-50-10	350-350-350-350	I	6.45
FP420.365	150-100-20-20	350-350-350-350	N	6.45
FP420.407	80-80-4-100	400-200-150-50	I	4.59
• FP420.409	10-50-150-200	350-350-350-350	N	4.92
FP420.43	80-80-100-100	400-350-25-25	I	5.35
FP420.438	10-4-4-20	400-350-150-25	F	2.43
PFP420.439	40-100-5-100	400-350-150-50	J	4.16
PFP420.366	150-100-20-20	400-350-350-350	N	6.40
FP420.6A	80-40-100-20	400-400-50-25	H	4.73
FP420.7	100-10-30-20	400-400-50-50	H	4.38
FP420.97	80-40-40-100	400-400-300-50	J	4.98
FP421.3A	100-10-20-20	400-400-350-50	J	4.65
FP421.81	80-10-4-100	400-400-400-50	F	4.16
FP421.86	120-20-100-4	400-400-150-400	I	4.14
FP422.05	100-80-10-30	400-400-400-400	N	6.26
PFP422.06	100-100-20-2	400-400-400-400	J	7.59
FP422.11	20-160-50-50	450-250-75-50	J	4.44
FP423.2	80-2-25-100	450-350-25-25	H	4.00
FP423.21	80-120-150-50	450-350-250-50	I	7.53
WP423.5	10-140-100-20	450-350-300-300	I	5.70
FP424.3A	20-80-50-100	450-350-350-50	J	4.88
FP426	20-15-20-20	450-450-25-25	F	2.96
FP427.5A	10-10-60-100	450-450-200-50	F	3.46
FP427.66	80-50-20-150	450-450-250-25	H	5.29
FP427.67	80-50-20-50	450-450-250-50	I	4.88
PFP427.68	110-50-20-150	450-450-250-25	N	7.56
PFP427.69A	30-20-160-40	450-450-250-150	J	4.88
FP427.695	20-30-10-160	450-450-250-250	J	4.95
FP427.74	80-20-2-25	450-450-350-25	H	4.98
FP427.75	80-30-40-40	450-450-350-150	I	5.44
FP427.8	20-30-4-200	450-450-350-150	I	5.26
• FP427.90	80-80-120-70	450-450-350-200	N	4.98
FP428A	40-10-35-10	450-450-350-350	G	3.95
FP428.4A	40-40-30-30	450-450-350-350	J	4.85
• FP428.5	100-100-20-3	450-450-400-400	S	4.98
FP436	40-20-20-40	450-450-450-25	H	4.19
FP429	40-30-10-20	450-450-450-25	H	3.73
FP432.9B	40-20-10-100	450-450-450-250	H	4.79
FP450.2	80-50-10-20	450-450-450-300	I	5.25
FP433.3	80-30-20-40	450-450-450-150	I	4.79
FP433.4	40-20-20-20	450-450-450-350	H	4.40
FP434	10-10-10-10	450-450-450-450	F	2.89
FP434.5	20-10-10-10	450-450-450-450	F	3.19
FP444A	20-20-20-20	450-450-450-450	G	4.00
FP444.5	30-20-20-10	450-450-450-450	H	4.15
FP444.8	30-30-20-20	450-450-450-450	H	4.50
FP444.95	40-20-20-20	450-450-450-450	H	4.13
FP447A	40-40-20-20	450-450-450-450	J	4.70
FP447.5A	40-40-30-30	450-450-450-450	J	5.21
WP447.7	40-40-40-40	450-450-450-450	I	5.54
FP450B	80-10-10-10	450-450-450-450	H	4.35
FP450.01	80-80-20-2	450-450-250-450	J	5.64
FP450.08	80-40-20-10	450-450-450-450	I	5.25
FP450.16A	80-40-20-20	450-450-450-450	I	5.11
FP454.4A	10-130-20-10	475-350-350-350	J	4.94
FP454.5	30-10-4-100	475-400-300-25	F	3.23
FP454.8A	10-80-40-100	475-400-400-50	J	4.58
FP456.5A	10-60-30-125	475-450-400-50	J	4.79
FP460.5A	50-40-4-40	475-475-150-25	H	4.69
FP470	80-80-4-4	475-475-450-450	N	5.78
FP471.1	30-4-4-200	475-475-475-25	F	4.42
FP472A	80-4-4-200	475-475-475-25	H	4.58
FP474.5A	20-20-10-10	475-475-475-475	F	3.75
FP475A	20-20-20-20	475-475-475-475	G	4.26
FP476A	40-20-10-10	475-475-475-475	G	4.26
FP472.5	80-30-4-4	475-475-475-475	H	6.15
• FP472.6	50-10-100-1000	500-250-40-40	S	3.75
FP494	10-10-10-10	500-500-500-500	F	3.00

For FP - WP Capacitor Hardware and Data see page 37 and 38.

Tubular Electrolytic Capacitors

TYPE TC

Mallory type TC and type TCN capacitors are single section metal tubulars with clear plastic insulating sleeves except those with the symbol (+) which have cardboard sleeving. The sizes listed below for TC and TCN capacitors without symbol (+) are bare unsleeved cans and you must add .015" to the diameter and .062" to the length to allow for plastic sleeving. Dimensions for capacitors with symbol (+) include the cardboard sleeve. Etched cathode construction is used in the manufacture of TC and TCN capacitors for maximum reliability. Type TC's and TCN's have 2" tinned leads except those shown with (■) which have 3" leads; TCD's and TCT's have 7" insulated leads; TCS's have solder lugs. Temp. Range: -20° to +85°C. Tolerance: -10% to +100% up to 350 WVDC; -10%, +50% for 351 WVDC and up.

TC SINGLE SECTION (POLAR)

Mallory No.	Cap., mfd	WV DC	Size	Net Each
TC304C	200	3	3/8 x 3/4	\$1.03
TC305B	500	3	3/8 x 3/8	1.21
TC310B	1000	3	1/2 x 1	1.40
TC602A	250	6	3/8 x 3/4	1.10
TC605B	500	6	3/8 x 1	1.23
TC610B	1000	6	1/2 x 1	1.45
TC615B	2000	6	5/8 x 1	1.86
TC1205A	500	12	3/16 x 1	1.37
TC1210D	1000	12	1/2 x 1 1/4	1.80
TC1215B	1500	12	5/8 x 1 1/8	1.90
TC1220B	2000	12	3/4 x 1 3/8	2.17
TC1502B	200	15	3/8 x 3/4	1.21
TC15025A	250	15	3/8 x 3/8	1.24
TC1505C	500	15	3/8 x 1 3/8	1.40
TC1501C	1000	15	1/2 x 1 1/4	1.86
TC1520C	2000	15	5/8 x 1 3/8	2.21
TC1530A	3000	15	3/4 x 1 3/8	3.22
TC1540A	4000	15	7/8 x 1 7/8	3.69
TC1550B	5000	15	7/8 x 2 1/8	4.09
TC22A	10	25	1/4 x 5/8	.80
TC26C	25	25	1/4 x 5/8	.80
TC29C	50	25	3/16 x 1 1/16	.90
TC2501B	100	25	3/8 x 3/4	1.07
TC25015B	150	25	3/8 x 1	1.16
TC25025B	250	25	3/16 x 1	1.37
TC2505C	500	25	1/2 x 1 1/8	1.80
TC2510A	1000	25	5/8 x 1 1/2	2.65
TC2515B	1500	25	3/4 x 2 1/8	3.14
TC2520A	2000	25	3/4 x 1 3/8	3.65
TC2530	3000	25	7/8 x 2 1/8	3.79
TC2540	4000	25	1 x 2 1/8	3.92
TC2550	5000	25	1 x 2 3/4	4.26
TC31	1	50	1/4 x 5/8	.72
TC302	2	50	1/4 x 5/8	.72
TC30A	5	50	1/4 x 5/8	.80
TC32C	10	50	1/4 x 5/8	.80
TC36B	25	50	3/8 x 5/8	.86
TC39B	50	50	3/8 x 3/4	.96
TC3501D	100	50	3/8 x 1 1/8	1.10
TC50015C	150	50	1/2 x 1	1.21
TC50025C	250	50	1/2 x 1 1/8	1.34
TC50050C	500	50	3/4 x 1 7/8	1.88
TC50100C	1000	50	7/8 x 2 1/8	2.54
TC50150A	1500	50	1 x 2 1/8	2.21
TC50200A	2000	50	1 x 2 3/4	2.72
TC50300	3000	50	1 x 3 1/8	3.23
TC50500A	5000	50	1 3/8 x 3 3/8	4.20
TC75200A	20	75	3/8 x 3/4	1.04
TC75250A	25	75	3/8 x 7/8	1.06
TC75500A	50	75	3/8 x 1 3/8	1.19
TC75101A	100	75	5/8 x 1 3/8	1.65
TC75251A	250	75	3/4 x 1 3/8	2.16
TC75501A	500	75	7/8 x 2 1/8	2.76
TC10010	1	100	1/4 x 5/8	.89
TC10100	10	100	3/8 x 3/4	.95
TC10200A	20	100	3/8 x 1	1.04
TC10250C	25	100	3/8 x 1	1.06
TC10500A	50	100	5/8 x 1 1/8	1.32

■ Indicates 3" solid leads. All others are 2" solid leads.

+ Indicates cardboard sleeve. All others have plastic sleeve.

§ Indicates supplied with mounting strap.

Mallory No.	Cap., mfd	WV DC	Size	Net Each
TC10101B	100	100	3/4 x 1 3/8	\$1.65
TC10151A	150	100	3/4 x 1 7/8	1.81
TC10251A	250	100	7/8 x 1 7/8	2.16
TC10501A	500	100	1 x 2 1/8	2.75
TC10102■	1000	100	1 x 3 3/8	3.30
TC40B	5	150	3/8 x 5/8	1.04
TC41A	8	150	3/8 x 7/8	1.12
TC42B	10	150	3/8 x 7/8	1.12
TC43A	12	150	3/8 x 1	1.17
TC44A	16	150	3/8 x 1 1/8	1.20
TC45A	20	150	3/8 x 1 3/8	1.25
TC47A	30	150	5/8 x 1 1/8	1.38
TC48A	40	150	3/4 x 1 1/8	1.43
TC49A	50	150	3/4 x 1 3/8	1.49
TC492A	80	150	3/4 x 1 3/8	1.65
TC493B	100	150	3/4 x 1 3/8	1.84
TC495B	150	150	3/4 x 1 3/8	1.98
TC496B	200	150	7/8 x 2 1/8	2.30
TC499A	300	150	1 x 2 1/8	2.85
TC56A	1	250	1/2 x 1 1/8	1.00
TC50XB	5	250	1/2 x 1 1/8	1.20
TC51A	8	250	5/8 x 1 1/8	1.22
TC52A	10	250	5/8 x 1 1/8	1.25
TC53A	12	250	5/8 x 1 1/8	1.32
TC54C	16	250	5/8 x 1 1/8	1.38
TC55B	20	250	3/4 x 1 1/8	1.43
TC57B	30	250	3/4 x 1 3/8	1.51
TC58A	40	250	3/4 x 1 3/8	1.64
TC59B	50	250	3/4 x 1 3/8	1.78
TC1265B	100	250	7/8 x 2 1/8	2.56
TC1266	160	250	1 x 2 1/8	2.71
TC1267■	225	250	1 x 3 3/8	2.56
TC593B■	150	300	1 x 3 3/8	3.20
TC594	200	300	1 x 3 3/8	4.72
TC595A	2	350	1/2 x 1 1/8	1.04
TC60A	5	350	3/8 x 1 1/8	1.13
TC61C	8	350	5/8 x 1 3/8	1.25
TC62B	10	350	5/8 x 1 3/8	1.32
TC63B	12	350	3/4 x 1 1/8	1.38
TC64B	16	350	3/4 x 1 3/8	1.46
TC65B	20	350	3/4 x 1 3/8	1.51
TC67B	40	350	7/8 x 1 3/8	1.84
TC68B	60	350	7/8 x 2 1/8	2.04
TC69B■	100	350	7/8 x 2 1/8	3.18
TC692A■	150	350	1 x 3 3/8	3.88
TC6942	1	450	1/2 x 1 1/8	.73
TC695B	2	450	5/8 x 1 1/8	1.13
TC697B	4	450	5/8 x 1 1/8	1.20
TC70B	5	450	3/4 x 1 1/8	1.25
TC71C	8	450	3/4 x 1 1/8	1.32
TC72B	10	450	7/8 x 1 3/8	1.35
TC73B	12	450	7/8 x 1 3/8	1.43
TC74B	16	450	3/4 x 1 3/8	1.46
TC75A	20	450	7/8 x 1 3/8	1.62
TC77B	30	450	1 x 1 1/8	1.78
TC78A	40	450	1 x 2 1/8	1.88
TC79B■	50	450	1 x 2 1/8	2.19
TC795A■	60	450	1 x 2 1/8	2.45
TC80B■	80	450	1 x 3 1/8	2.85
TC805A■	100	450	1 3/8 x 2 1/8	3.18
TC807■	100	450	1 x 3 3/8	3.18
TC808■	160	450	1 3/8 x 3 3/8	3.18
TC82A+§	10	500	1 1/16 x 3	1.43
TC90A+§	4	600	1 1/16 x 2 1/8	2.04
TC92A+§	10	600	1 1/16 x 2 1/2	3.10
TC96A+§	20	600	1 1/16 x 3	4.10



TCN SINGLE SECTION NON-POLAR

TCN CAPACITORS

Mallory No.	Cap., mfd	WV NP	Size	Net Each
TCN105+	5	10	1 1/16 x 1 1/4	\$1.10
TCN108+	8	10	1 1/16 x 1 1/2	1.10
TCN1025A	25	10	3/8 x 3/4	1.22
TCN412■+	500	10	1 1/16 x 2	1.95
TCN1550A■+	500	15	1 1/16 x 2 1/16	2.04
TCN415■+	1000	15	1 1/16 x 3 1/2	2.69
TCN2516B	16	25	3/8 x 1 1/16	1.52
TCN425A■+	100	25	1 1/16 x 1 3/16	1.58
TCN501A	1	50	1/4 x 5/8	1.10
TCN502A	2	50	1/4 x 5/8	1.10
TCN503A	3	50	1/4 x 5/8	1.10
TCN504A	4	50	3/8 x 5/8	1.10
TCN505A	5	50	1/4 x 1 1/16	1.13
TCN5010A	10	50	3/8 x 3/4	1.17
TCN5099■+	100	50	1 1/16 x 1 3/4	1.90
TCN510+	4	150	5/8 x 1 1/4	1.13
TCN1512+	12	150	5/8 x 1 3/4	1.57
TCN1540■+	40	150	1 1/16 x 1 3/4	1.74
TCN1551■+	50	150	1 1/16 x 2 1/4	1.93
TCN2550■+	4	200	1 1/16 x 1 3/4	1.81
TCN3520■+	20	350	1 1/16 x 2 7/8	1.93
TCN511■+	10	450	1 1/16 x 2 1/4	2.01

TCD DUAL COMMON NEGATIVE

Mallory No. TCD	Cap., mfd	WV DC	Size, In. Dia. x Lg.	Net Ea.
TCD26+	25-25	25-25	1 1/16 x 1 3/8	\$1.87
TCD45+	20-20	150-150	1 1/16 x 1 7/8	1.95
TCD47+	30-30	150-150	1 1/16 x 1 7/8	2.02
TCD485+	40-20	150-150	1 1/16 x 1 7/8	2.02
TCD48+	40-40	150-150	1 1/16 x 2 1/8	2.07
TCD497A+	50-30	150-150	1 1/16 x 1 7/8	2.18
TCD49+	50-50	150-150	1 1/16 x 2 3/8	2.37
TCD4975+	80-40	150-150	1 1/16 x 2 3/8	2.48
TCD498+	80-50	150-150	1 1/16 x 2 3/8	2.65
TCD2155+	100-100	150-150	1 1/16 x 4 1/8	3.57
TCD55+	20-20	250-250	1 1/16 x 2 1/8	2.07
TCD65+	20-20	350-350	1 1/16 x 2 3/8	2.68
TCD71+	8-8	450-450	1 1/16 x 2 1/8	2.18
TCD75+	20-20	450-450	1 1/16 x 3 1/4	2.80
TCD78+	40-40	450-450	1 1/16 x 4 1/8	4.17

TCT TRIPLE COMMON NEGATIVE

Mallory No. TCT	Cap., mfd	Volts	Size, In. Dia. x Lg.	Net Each
3113+	30-30-30	150-150-150	1 1/16 x 2 3/8	\$2.82
3105+	40-30-20	150-150-150	1 1/16 x 1 7/8	2.82
3116+	40-40-20	150-150-150	1 1/16 x 2 3/8	2.83
3115+	40-40-40	150-150-150	1 1/16 x 2 3/8	2.91
3107+	50-30-20	150-150-150	1 1/16 x 2 3/8	2.86
3119+	60-50-20	150-150-150	1 1/16 x 2 7/8	2.94
3117+	80-40-20	150-150-150	1 1/16 x 2 7/8	2.99
3118+	80-50-50	150-150-150	1 1/16 x 4	3.18
3120A+	80-80-20	150-150-150	1 1/16 x 3	3.18

For Type TC Hardware see pages 37 and 38.

Tubular Electrolytic Capacitors

TT TINY TUBULAR ALUMINUM ELECTROLYTIC CAPACITORS

Mallory TT capacitors are made from very high purity aluminum foil, deep-etched to provide maximum capacity per unit of volume. Etched cathode construction assures long, hum-free operation. Utilize all-welded construction; exhibit exceptionally low DCL and ESR. Supplied in aluminum case with insulating sleeve; wire leads 2" lg. ($\pm 1/4$ "). Temperature Range: -55°C to $+85^{\circ}\text{C}$, 3 through 100-volt units; -30°C to $+85^{\circ}\text{C}$, all others. Tolerance: -10% , $+75\%$, 1-100 WVDC; -10% , $+50\%$, 100 WVDC and up. Request bulletin 4-105 for 3 to 100 volt technical data. For higher voltages request bulletin 4-104.

Mallory No.	Cap., mfd	WV DC	Size, In.* Dia. x Lg.	Net Each
TT3X1	1	3	$1/4 \times 5/8$	\$0.58
TT3X5	5	3	$1/4 \times 5/8$	.58
TT3X8	8	3	$1/4 \times 5/8$	.58
TT3X20	20	3	$1/4 \times 5/8$	.58
TT3X25	25	3	$1/4 \times 5/8$	.58
TT3X40	40	3	$1/4 \times 5/8$	.58
TT3X50	50	3	$1/4 \times 5/8$	.58
TT3X75A	75	3	$1/4 \times 5/8$	.66
TT3X100A	100	3	$3/16 \times 5/8$	.66
TT3X150A	150	3	$3/16 \times 5/8$	.81
TT3X200C	200	3	$3/8 \times 3/4$	.81
TT3X250B	250	3	$3/8 \times 3/4$	.85
TT3X300A	300	3	$3/8 \times 3/4$	.85
†TT3X400A	400	3	$3/8 \times 7/8$	.88
†TT3X500A	500	3	$3/8 \times 7/8$	.93
†TT3X590	590	3	$3/8 \times 1$	.93
TT3X1000A	1000	3	$1/2 \times 1$	.97
†TT3X1500	1500	3	$3/16 \times 1 3/8$	.97
†TT3X2500	2500	3	$3/16 \times 2$	1.00
†TT3X3600A	3600	3	$5/8 \times 1 3/8$	1.03
TT6X1	1	6	$1/4 \times 5/8$	.58
TT6X2	2	6	$1/4 \times 5/8$	.58
TT6X3	3	6	$1/4 \times 5/8$	.58
TT6X4	4	6	$1/4 \times 5/8$	.58
TT6X5	5	6	$1/4 \times 5/8$	.58
TT6X6	6	6	$1/4 \times 5/8$	.58
TT6X8	8	6	$1/4 \times 5/8$	.58
TT6X10	10	6	$1/4 \times 5/8$	.58
TT6X15	15	6	$1/4 \times 5/8$	.58
TT6X20	20	6	$1/4 \times 5/8$	.58
TT6X25	25	6	$1/4 \times 5/8$	.58
TT6X30	30	6	$1/4 \times 5/8$	.58
TT6X35	35	6	$1/4 \times 5/8$	.58
TT6X40	40	6	$1/4 \times 5/8$	.58
TT6X50A	50	6	$1/4 \times 5/8$	.58
TT6X60B	60	6	$1/4 \times 5/8$	.66
†TT6X75A	75	6	$1/4 \times 5/8$	.66
†TT6X80B	80	6	$1/4 \times 5/8$	.66
TT6X100A	100	6	$3/16 \times 5/8$	.81
†TT6X150A	150	6	$3/16 \times 5/8$	.85
TT6X200B	200	6	$3/8 \times 3/4$	.85
†TT6X250A	250	6	$3/8 \times 3/4$	.88
†TT6X300B	300	6	$3/8 \times 3/4$	.88
TT6X400A	400	6	$3/8 \times 1$	.88
†TT6X560	560	6	$3/8 \times 1 1/8$	.96
†TT6X1000A	1000	6	$1/2 \times 1$	1.00
†TT6X1500A	1500	6	$3/16 \times 1 3/4$	1.03
†TT6X2000A	2000	6	$3/8 \times 1$	1.05
†TT6X3000	3000	6	$1/2 \times 2$	1.18
TT10X2	2	10	$1/4 \times 5/8$	.58
TT10X6	6	10	$1/4 \times 5/8$	.58
TT10X10	10	10	$1/4 \times 5/8$	.58
TT10X15	15	10	$1/4 \times 5/8$	.58
TT10X25	25	10	$1/4 \times 5/8$	.58
TT10X30A	30	10	$1/4 \times 5/8$	.66
TT10X40A	40	10	$1/4 \times 5/8$	.66
TT10X50A	50	10	$1/4 \times 5/8$	.66
†TT10X60A	60	10	$1/4 \times 5/8$	.81
TT10X100A	100	10	$3/16 \times 5/8$	.85
†TT10X200A	200	10	$3/8 \times 3/4$	.93
†TT10X300	300	10	$3/8 \times 3/4$	.96
†TT10X400	400	10	$3/8 \times 1$	.96
†TT10X500	500	10	$3/8 \times 1 1/8$	.96
†TT10X600	600	10	$3/8 \times 1 3/8$	.96
TT10X800	800	10	$3/16 \times 1 3/8$	.97
TT10X1000B	1000	10	$1/2 \times 1 1/4$	1.00
†TT10X1500	1500	10	$3/16 \times 1 3/4$	1.03

Mallory No.	Cap., mfd	WV DC	Size, In.* Dia. x Lg.	Net Each
TT10X2000A	2000	10	$5/8 \times 1 3/8$	\$1.05
†TT10X2400	2400	10	$1/2 \times 2$	1.21
TT12X1	1	12	$1/4 \times 5/8$	.58
TT12X2	2	12	$1/4 \times 5/8$	.58
TT12X3	3	12	$1/4 \times 5/8$	.58
TT12X4	4	12	$1/4 \times 5/8$	.58
TT12X5	5	12	$1/4 \times 5/8$	.58
TT12X6	6	12	$1/4 \times 5/8$	.58
TT12X8	8	12	$1/4 \times 5/8$	.58
TT12X10	10	12	$1/4 \times 5/8$	.58
TT12X15	15	12	$1/4 \times 5/8$	.58
TT12X20	20	12	$1/4 \times 5/8$	.58
TT12X25A	25	12	$1/4 \times 5/8$	.58
TT12X35A	35	12	$1/4 \times 5/8$	.58
TT12X50A	50	12	$1/4 \times 5/8$	.66
TT12X75A	75	12	$1/4 \times 5/8$	.81
TT12X100A	100	12	$3/16 \times 5/8$	.85
TT12X150A	150	12	$3/16 \times 5/8$	.88
TT12X200A	200	12	$3/8 \times 3/4$	.93
†TT12X250A	250	12	$3/8 \times 7/8$	.93
†TT12X450A	450	12	$3/8 \times 1 1/8$	.97
†TT12X500	500	12	$3/16 \times 1$	.97
†TT12X600	600	12	$3/16 \times 1 1/8$	.97
TT12X800	800	12	$3/16 \times 1 3/8$	1.00
TT12X1000B	1000	12	$1/2 \times 1 1/4$	1.03
TT12X1500A	1500	12	$3/8 \times 1 1/8$	1.05
†TT12X2000A	2000	12	$5/8 \times 1 3/8$	1.21
TT15X1	1	15	$1/4 \times 5/8$	.58
TT15X2	2	15	$1/4 \times 5/8$	.58
TT15X3	3	15	$1/4 \times 5/8$	.58
TT15X4	4	15	$1/4 \times 5/8$	.58
TT15X5	5	15	$1/4 \times 5/8$	.58
TT15X6	6	15	$1/4 \times 5/8$	.58
TT15X8	8	15	$1/4 \times 5/8$	.58
TT15X10	10	15	$1/4 \times 5/8$	.58
TT15X15	15	15	$1/4 \times 5/8$	.58
TT15X20A	20	15	$1/4 \times 5/8$	.58
TT15X25A	25	15	$1/4 \times 5/8$	.58
TT15X30A	30	15	$1/4 \times 5/8$	.66
†TT15X35B	35	15	$1/4 \times 5/8$	.66
†TT15X40B	40	15	$1/4 \times 5/8$	.66
†TT15X50A	50	15	$1/4 \times 5/8$	.66
†TT15X75A	75	15	$1/4 \times 3/4$	.81
†TT15X100A	100	15	$3/16 \times 5/8$	.85
†TT15X150A	150	15	$3/16 \times 5/8$	.88
†TT15X200A	200	15	$3/8 \times 3/4$	.93
†TT15X260A	260	15	$3/8 \times 7/8$	.93
†TT15X350A	350	15	$3/8 \times 1 1/8$	.96
†TT15X400	400	15	$3/8 \times 1 1/8$	.97
†TT15X500	500	15	$3/8 \times 1 3/8$	.97
†TT15X600	600	15	$3/8 \times 1 1/2$	.97
†TT15X800	800	15	$3/16 \times 1 3/8$	1.00
†TT15X1000B	1000	15	$1/2 \times 1 1/4$	1.03
†TT15X1500A	1500	15	$5/8 \times 1 1/8$	1.05
TT25X1	1	25	$1/4 \times 5/8$	.58
TT25X2	2	25	$1/4 \times 5/8$	.58
TT25X3	3	25	$1/4 \times 5/8$	.58
TT25X4	4	25	$1/4 \times 5/8$	.58
TT25X5	5	25	$1/4 \times 5/8$	.58
†TT25X6	6	25	$1/4 \times 5/8$	.58
TT25X8	8	25	$1/4 \times 5/8$	.58
TT25X10	10	25	$1/4 \times 5/8$	.58
†TT25X15A	15	25	$1/4 \times 5/8$	.58
†TT25X20A	20	25	$1/4 \times 5/8$	.66
†TT25X25B	25	25	$1/4 \times 5/8$	.66
†TT25X30A	30	25	$1/4 \times 3/4$	.66
†TT25X35A	35	25	$1/4 \times 3/4$	.66

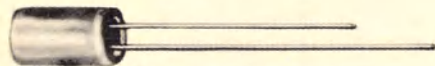
Mallory No.	Cap., mfd	WV DC	Size, In.* Dia. x Lg.	Net Each
†TT25X50A	50	25	$3/16 \times 1 1/16$	\$1.81
†TT25X75A	75	25	$3/8 \times 3/4$	.85
†TT25X100B	100	25	$3/8 \times 3/4$	.88
†TT25X150	150	25	$3/8 \times 1$	.93
†TT25X200	200	25	$3/8 \times 1 1/8$	.96
†TT25X300	300	25	$3/8 \times 1 1/2$	.97
†TT25X400	400	25	$3/16 \times 1 3/8$	1.00
†TT25X500A	500	25	$1/2 \times 1 3/8$	1.03
†TT25X600	600	25	$3/16 \times 1 3/4$	1.05
†TT25X800	800	25	$1/2 \times 1 3/4$	1.05
TT50X1	1	50	$1/4 \times 5/8$	.58
TT50X2	2	50	$1/4 \times 5/8$	.58
TT50X3	3	50	$1/4 \times 5/8$	.58
†TT50X4	4	50	$1/4 \times 5/8$	.58
†TT50X5A	5	50	$1/4 \times 5/8$	.58
TT50X6B	6	50	$3/16 \times 1 1/16$	.58
†TT50X8A	8	50	$1/4 \times 5/8$	.58
†TT50X10B	10	50	$1/4 \times 5/8$	.66
†TT50X15A	15	50	$1/4 \times 5/8$	.66
†TT50X20B	20	50	$3/16 \times 5/8$	.81
†TT50X25A	25	50	$3/16 \times 1 1/16$	.81
†TT50X35A	35	50	$3/8 \times 3/4$	.85
†TT50X50B	50	50	$3/8 \times 3/4$	.88
†TT50X75	75	50	$3/8 \times 1$	.93
†TT50X100	100	50	$3/8 \times 1 1/8$	.96
†TT50X150A	150	50	$1/2 \times 1$	.97
†TT50X200	200	50	$3/16 \times 1 3/8$	1.03
†TT50X250A	250	50	$1/2 \times 1 3/8$	1.05
†TT50X300	300	50	$3/16 \times 2$	1.18
†TT50X350A	350	50	$3/8 \times 1 1/8$	1.18
†TT50X400A	400	50	$3/8 \times 1 1/4$	1.18
†TT50X450	450	50	$1/2 \times 2$	1.35
TT100X1	1	100	$1/4 \times 5/8$	.66
†TT100X2	2	100	$1/4 \times 5/8$	.66
†TT100X3	3	100	$1/4 \times 5/8$	.66
TT100X4A	4	100	$3/8 \times 5/8$	.81
TT100X5A	5	100	$3/8 \times 5/8$	.81
†TT100X6A	6	100	$3/16 \times 1 1/16$	.81
†TT100X10	10	100	$3/8 \times 3/4$	.85
†TT100X15	15	100	$3/8 \times 7/8$	.88
†TT100X20	20	100	$3/8 \times 1$	.93
†TT100X25A	25	100	$3/8 \times 1$	.96
†TT100X30	30	100	$3/8 \times 1 3/8$	.96
†TT100X40	40	100	$3/16 \times 1 3/8$	1.00
†TT100X45	45	100	$3/16 \times 1 1/2$	1.03
†TT100X50	50	100	$3/16 \times 1 3/4$	1.05
†TT100X65	65	100	$3/16 \times 2$	1.18
TT150X1	1	150	$1/4 \times 5/8$	.58
†TT150X2	2	150	$1/4 \times 3/4$	.66
†TT150X3	3	150	$3/16 \times 5/8$	.66
†TT150X4	4	150	$3/8 \times 5/8$	.81
†TT150X5A	5	150	$3/8 \times 5/8$	.81
†TT150X6	6	150	$3/8 \times 3/4$	.85
†TT150X8	8	150	$3/8 \times 3/4$	.85
†TT150X10	10	150	$3/8 \times 7/8$	.88
†TT150X12	12	150	$3/8 \times 1$	.93
†TT150X15	15	150	$3/8 \times 1 1/8$	.93
†TT150X20	20	150	$3/8 \times 1 3/8$	.96
†TT150X25	25	150	$3/16 \times 1 3/8$	1.00
†TT150X30	30	150	$3/16 \times 1 1/2$	1.00
†TT150X35	35	150	$3/16 \times 1 3/4$	1.03
†TT150X40	40	150	$3/16 \times 2$	1.05

*Size shown for plain case. For insulating sleeve add .010" diameter x $1/16$ " length.

†Dagger Indicates Parent Value.

Electrolytic Capacitors

Type VTT



VTT ALUMINUM ELECTROLYTIC CAPACITORS

Miniature single ended capacitors will fit easily in small pocket transistor radio circuits and other applications where space is at a premium. Use in filtering, coupling and bypass applications. Operating temperature: -25° to $+85^{\circ}\text{C}$. Tolerance: 4.7 ufd and under: -10% $+150\%$. Ovr 4.7 ufd: -10% $+100\%$.

VTT ALUMINUM ELECTROLYTIC CAPACITORS

Mallory No.	Cap(uF)	WV DC	Lead Spacing	Lead Dia.	Case Code	Net Ea.
VTT33B10	33	10	.098	.020	B	\$0.22
VTT47B10	47	10	.098	.020	B	.22
VTT100D10	100	10	.138	.020	D	.23
VTT100E10*	100	10	.197	.025	E	.36
VTT220F10	220	10	.197	.020	F	.42
VTT330G10	330	10	.197	.020	G	.48
VTT1000L10	1000	10	.197	.028	L	.64
VTT2200N10	2200	10	.295	.028	N	1.07
VTT3300P10	3300	10	.295	.028	P	1.64
VTT22B16	22	16	.098	.020	B	.22
VTT47D16	47	16	.138	.020	D	.33
VTT100E16	100	16	.197	.020	E	.29
VTT100F16*	100	16	.197	.025	F	.42
VTT220H16	220	16	.197	.020	H	.35
VTT330H16	330	16	.197	.020	H	.63
VTT470K16	470	16	.197	.028	K	.50
VTT1000M16	1000	16	.295	.028	M	.70
VTT2200P16	2200	16	.295	.028	P	1.36
VTT10B25	10	25	.098	.020	B	.22
VTT22D25	22	25	.138	.020	D	.24
VTT33D25	33	25	.138	.020	D	.33
VTT47E25	47	25	.197	.020	E	.36
VTT100G25	100	25	.197	.020	G	.48
VTT220K25	220	25	.197	.028	K	.55
VTT330L25	330	25	.197	.028	L	.67
VTT470M25	470	25	.295	.028	M	.70

*See size chart.

Mallory No.	Cap(uF)	WV DC	Lead Spacing	Lead Dia.	Case Code	Net Ea.
VTT1000M25*	1000	25	.295	.025	M	\$1.23
VTT1000N25	1000	25	.295	.028	N	1.11
VTT10B35	10	35	.098	.020	B	.23
VTT33E35	33	35	.197	.020	E	.36
VTT47E35	47	35	.197	.020	E	.35
VTT47F35*	47	35	.197	.025	F	.42
VTT220K35	220	35	.197	.028	K	.65
VTT330M35	330	35	.295	.028	M	.88
VTT470M35	470	35	.295	.028	M	.98
VTT1A50	1	50	.138	.020	D	.20
VTT2R2A50	2.2	50	.079	.020	A	.33
VTT3R3A50	3.3	50	.079	.020	A	.33
VTT4R7B50	4.7	50	.079	.020	B	.22
VTT33G50	33	50	.197	.020	G	.36
VTT100K50	100	50	.197	.020	K	.56
VTT220M50	220	50	.295	.028	M	.71
VTT330N50	330	50	.295	.028	N	1.25
VTT470N50	470	50	.295	.028	N	1.44
VTT47A63	.47	63	.079	.020	A	.22
VTT1A63	1	63	.079	.020	A	.22
VTT10D63	10	63	.197	.020	D	.39
VTT22G63	22	63	.197	.020	G	.45
VTT47J63	47	63	.197	.028	J	.61
VTT1A100	1	100	.079	.020	A	.24
VTT3R3D100	3.3	100	.138	.020	D	.32
VTT4R7D100	4.7	100	.138	.020	D	.35

Mallory No.	Cap(uF)	WV DC	Lead Spacing	Lead Dia.	Case Code	Net Ea.
VTT10G100	10	100	.197	.020	G	\$0.53
VTT22J100	22	100	.197	.028	J	.67
VTT33K100	33	100	.197	.028	K	.81
VTT47L100	47	100	.197	.028	L	.92

SIZE CHART

Case Code	Diameter	Length
A	.197	.433
B	.236	.433
D	.315	.433
E	.394	.472
E*	.394	.492
F	.394	.512
F*	.394	.630
G	.394	.591
H	.394	.669
J	.394	.787
K	.512	.827
L	.512	.945
M	.630	.945
M*	.630	1.437
N	.630	1.220
P	.709	1.299

*MTA to TC-TT Capacitor Cross Reference

Rating Cap (uF) - WV DC	MTA	TC	TT
1000-1	1000F1	310B	3x1000A
600-3	600F3	—	3x590
50-6	50D6	29C	6x50A
125-6	125E6	25015B	6x150A
150-6	150E6	25015B	6x150A
450-6	450F6	605B	10x500
500-6	500F6	605B	10x500
3000-6	3000G6	1530A	6x3000
40-10	40D10	29C	10x40A
75-10	75E10	2501B	12x75A
100-10	100E10	2501B	10x100A
200-10	200E10	1502B	10x200A
400-10	400F10	1205A	10x400
2500-10	2500G10	1530A	10x2400
30-15	30D15	29C	15x30A
35-15	35D15	29C	15x35B
50-15	50E15	2501B	15x50A
80-15	80E15	29C	15x100A
90-15	90E15	2501B	15x100A
100-15	100E15	2501B	15x100A
250-15	250F15	15025A	15x260A
300-15	300F15	1505C	25x300
350-15	350F15	1505C	15x350A
2000-15	2000G15	1520C	—
25-20	25D20	26C	25x25B
60-20	60E20	2501B	25x75A
70-20	70E20	2501B	25x75A
250-20	250F20	25025B	50x250A
50-25	50E25	29C	25x50A
175-25	175F25	25015B	25x200
200-25	200F25	25025B	25x200

Rating Cap (uF) - WV DC	MTA	TC	TT
500-25	500G25	2505C	25x500A
1000-25	1000G25	2510A	—
20-30	20D30	36B	50x20B
40-30	40E30	39B	50x50B
9-35	9D35	32C	50x10B
10-35	10D35	32C	50x10B
15-35	15D35	75200A	50x15A
25-35	25D35	36B	50x25A
30-35	30E35	39B	50x35A
35-35	35E35	39B	50x35A
90-35	90F35	3501D	50x100
100-35	100F35	3501D	50x100
125-35	125F35	50015C	50x150A
150-35	150F35	50015C	50x150A
1-50	1D50	31	50x1
2-50	2D50	302	50x2
3-50	3D50	30A	50x3
4-50	4D50	30A	50x4
5-50	5D50	30A	50x5A
6-50	6D50	32C	50x6B
7-50	7D50	32C	50x8A
8-50	8D50	32C	50x8A
10-50	10D50	32C	50x10B
15-50	15D50	75200A	50x15A
20-50	20E50	75200A	50x20B
25-50	25E50	36B	50x25A
30-50	30E50	39B	50x35A
35-50	35E50	39B	50x35A
40-50	40E50	39B	50x50B
50-50	50E50	39B	50x50B
60-50	60F50	3501D	50x75

Rating Cap (uF) - WV DC	MTA	TC	TT
75-50	75F50	3501D	50x75
80-50	80F50	3501D	50x100
200-50	200G50	50025C	50x200
300-50	300G50	50050C	50x300
400-50	400G50	50050C	50x400A
500-50	500G50	50050C	50x450
5-75	5D75	40B	100x5A
15-75	15E75	75200A	100x15
50-75	50F75	75500A	100x50
100-75	100G75	75101A	—
250-75	250G75	75251A	—
1-100	1D100	10010	100x1
2-100	2D100	—	100x2
3-100	3D100	40B	100x3
5-100	5D100	40B	100x5A
10-100	10E100	10100	100x10
15-100	15E100	44A	100x15
25-100	25F100	10250C	100x25A
30-100	30F100	47A	100x30
35-100	35F100	48A	100x40
40-100	40F100	48A	100x40
50-100	50G100	10500A	100x50
100-100	100G100	10101B	—

MTA CASE SIZES

Size	Size, inches Dia. x Lg.	Leads
D	$\frac{3}{16}$ x $\frac{3}{4}$	2
E	$\frac{3}{8}$ x 1	2
F	$\frac{1}{2}$ x $1\frac{1}{8}$	2
G	$\frac{3}{4}$ x $1\frac{1}{4}$	2

* MTA being discontinued when current inventory has been sold. TC and TT replacement information can be found on pages 8 and 9 of this catalog.

Electrolytic Capacitors

ANTENNA ROTOR CAPACITORS

TYPE HC AND NP HIGH CAPACITY DRY ELECTROLYTICS

HC and NP capacitors are furnished in heavy-duty molded phenolic cases with integral safety vent. HC types are polarized; NP types are non-polarized. **Temp. Range:** -20°C to $+85^{\circ}\text{C}$ except (*) which is 65°C max. **Tolerance:** Type HC—0.50 WVDC, -10% , $+150\%$; 51-350 WVDC, -10% , $+100\%$; 351 WVDC up, -10% , $+50\%$. Type NP— $\pm 25\%$, all units.

POLARIZED TYPE HC

Mallory No.	Cap., mfd	WV DC	Size *
HC1020A	2,000	10	1
HC10100†	10,000	10	7
HC1520A	2,000	15	1
HC1540A	4,000	15	3
HC1560A	6,000	15	4
HC2050-50*	2x5,000	20	7
HC2060	6,000	20	7
HC2060A†	6,000	20	5
HC2510A	1,000	25	1
HC2520A	2,000	25	2
HC2530	3,000	25	4
HC2540A	4,000	25	4
HC2550	5,000	25	7
HC4040	4,000	40	7
HC4040A	4,000	40	5
HC5005	500	50	2
HC5005A	500	50	1
HC5010A	1,000	50	2
HC5020A	2,000	50	4
HC5030	3,000	50	7
HC5040	4,000	50	7
HC8010	1,000	80	4
HC8020	2,000	80	7
HC10015	1,500	100	7
HC15005	500	150	4
HC15010	1,000	150	7
HC15010A	1,000	150	5
HC20002	200	200	4
HC20005	500	200	7
HC20005A	500	200	4
HC45001	100	450	4
HC45003	300	450	7

Type HC Symbols
†Semi-polarized.

NON-POLARIZED TYPE NP

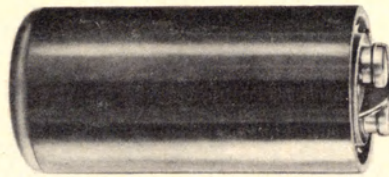
Mallory No.	Cap., mfd	WV DC	Size *
NP1225A	200	125	2
NP1255A	500	125	5
NP2514	100	250	5
NP2520	150	250	5
NP3003A	15	300	1
NP3006	30	300	2
NP3008	50	300	2
NP3014A	100	300	4
NP3020	150	300	7
NP3025	200	300	7
NP4505	50	450	4
NP4510	100	450	7

PHOTOFLASH CAPACITORS

HC45003—300 mfd, 450 WVDC. Plastic case, $2\frac{1}{16}$ " dia. x $4\frac{3}{8}$ ". Max. DCL (at 5 min.) 5.5 mA.

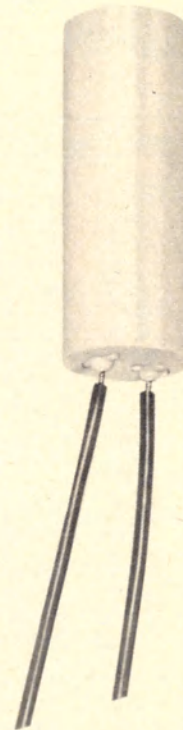
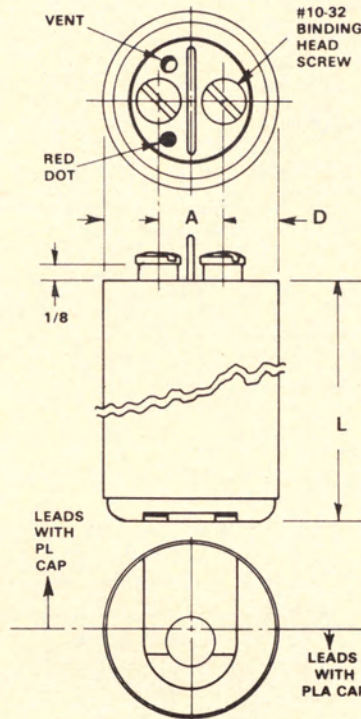
FF45052—525 mfd, 450 WVDC. Plastic case, $2\frac{1}{16}$ " dia. x $4\frac{3}{8}$ ". Max. DCL (at 5 min.) 2.0 mA.

FP240—Specially engineered FP capacitor for photoflash use. Dual separate section, 50 mfd at 450 WVDC each section. May be used in parallel for 100 mfd. Supplied with cardboard insulating tube. Uses standard FP mounting plate. $1\frac{1}{8}$ " x 3" dia.



HC - NP DATA & DIMENSIONS

HC-NP DATA & DIMENSIONS



Exclusive case design of molded polypropylene permits capacitor to "breathe" while excluding moisture. Assures longer life, greater durability and better appearance. Size, $\frac{7}{8}$ " dia. x $2\frac{1}{2}$ " lg., all values. Insulated, stranded 4" leads.

Mallory No.	Cap., mfd at VAC
ST75P	70- 92 at 50 VAC
ST76P	66.2- 76 at 50 VAC
ST78P	58.5- 78 at 50 VAC
ST80P	75- 90 at 65 VAC
ST100P	100-120 at 50 VAC
ST156P	117-156 at 50 VAC
ST240P	210-240 at 50 VAC
ST290P	210-290 at 50 VAC

Consult your local Mallory Distributor for price information.

For HC and NP Capacitor Hardware
see pages 37 and 38.

Code Case	DIMEN. — INCHES		
	D	L	A
1	$1\frac{1}{16}$	$2\frac{3}{4}$	$\frac{1}{2}$
2	$1\frac{1}{16}$	$3\frac{3}{8}$	$\frac{1}{2}$
3	$1\frac{1}{16}$	$4\frac{3}{8}$	$\frac{1}{2}$
4	$1\frac{1}{16}$	$3\frac{3}{8}$	$\frac{5}{8}$
5	$1\frac{1}{16}$	$4\frac{3}{8}$	$\frac{5}{8}$
7	$2\frac{1}{16}$	$4\frac{3}{8}$	$\frac{7}{8}$

•TCX Tubular Computer Grade Capacitors

Axial leaded aluminum capacitors which demonstrate good, reliable performance over the operating temperature range of -55°C to $+105^{\circ}\text{C}$. In addition to its wide temperature range, this capacitor type also presents the advantages of moderately high CV product, excellent DC leakage current and dissipation factor performance, good stability versus temperature and a high ripple current capability. **Tolerance:** -10% , $+75\%$ thru 50 VDC; -10% , $+50\%$ (100 VDC). Supplied with Mlyar® insulated sleeve.

Mallory Part No.	Cap (uf)	WVDC	Size	Net Each
TCX162U006G1G	1,600	6	G1G	\$3.16
TCX242U006L1C	2,400	6	L1C	3.64
TCX332U006G2C	3,300	6	G2C	3.56
TCX482U006L1L	4,800	6	L1L	3.96
TCX652U006J2L	6,500	6	J2L	4.12
TCX962U006L2L	9,600	6	L2L	4.40
TCX123U006N2L	12,000	6	N2L	5.04
TCX183U006N3L	18,000	6	N3L	5.96
TCX552U010J2L	5,500	10	J2L	4.12
TCX103U010L3C	10,000	10	L3C	4.64
TCX711U015G1C	710	15	G1C	3.04
TCX102U015J1C	1,000	15	J1C	3.36
TCX162U015J1G	1,600	15	J1G	3.48
TCX212U015J1L	2,100	15	J1L	3.60
TCX232U015G2L	2,300	15	G2L	4.40
TCX312U015L1L	3,100	15	L1L	3.96
TCX412U015N1L	4,100	15	N1L	4.56
TCX462U015L2C	4,600	15	L2C	4.16
TCX622U015L2L	6,200	15	L2L	4.40
TCX822U015N2L	8,200	15	N2L	5.04
TCX123U015N3L	12,000	15	N3L	5.96
TCX561U025E2C	560	25	E2C	3.28
TCX951U025J1G	950	25	J1G	3.48

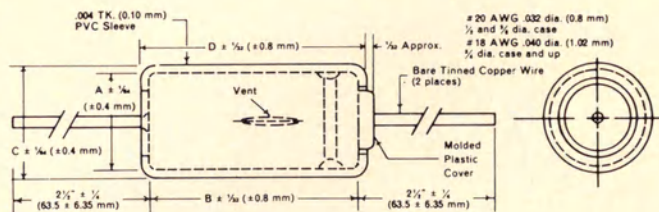
Mallory Part No.	Cap (uf)	WVDC	Size	Net Each
TCX122U025N1C	1,200	25	N1C	\$4.04
TCX182U025L1L	1,800	25	L1L	3.96
TCX242U025N1L	2,400	25	N1L	4.56
TCX372U025L2L	3,700	25	L2L	4.40
TCX722U025N3L	7,200	25	N3L	5.96
TCX311U030G1C	310	30	G1C	3.04
TCX471U030J1C	470	30	J1C	3.36
TCX881U030N1C	880	30	N1C	4.04
TCX142U030J2C	1,400	30	J2C	3.88
TCX272U030L2L	2,700	30	L2L	4.40
TCX302U030L3C	3,000	30	L3C	4.64
TCX442U030N3C	4,400	30	N3C	5.52
TCX361U040J1C	360	40	J1C	3.36
TCX701U040N1C	700	40	N1C	4.04
TCX102U040L1L	1,000	40	L1L	3.96
TCX132U040J2L	1,300	40	J2L	4.40
TCX212U040L2L	2,100	40	L2L	4.40
TCX422U040N3L	4,200	40	N3L	5.96
TCX111U050E1G	110	50	E1G	3.04
TCX251U050G1G	250	50	G1G	3.16
TCX371U050L1C	370	50	L1C	4.28
TCX501U050G2C	500	50	G2C	3.56
TCX711U050N1G	710	50	N1G	4.28

Mallory Part No.	Cap (uf)	WVDC	Size	Net Each
TCX951U050N1L	950	50	N1L	\$4.56
TCX142U050L2L	1,400	50	L2L	4.40
TCX192U050N2L	1,900	50	N2L	5.04
TCX282U050N3L	2,800	50	N3L	5.96
TCX650U075G1C	65	75	G1C	3.04
TCX101U075J1C	100	75	J1C	3.36
TCX141U075J1G	140	75	J1G	3.48
TCX211U075L1G	210	75	L1G	3.80
TCX281U075L1L	280	75	L1L	3.96
TCX371U075J2L	370	75	J2L	4.12
TCX561U075L2L	560	75	L2L	4.40
TCX741U075N2L	740	75	N2L	5.04
TCX112U075N3L	1,100	75	N3L	5.96
TCX350T100G1C	35	100	G1C	3.04
TCX550T100G1G	55	100	G1G	3.16
TCX750T100J1G	75	100	J1G	3.48
TCX111T100L1G	110	100	L1G	3.80
TCX151T100L1L	150	100	L1L	3.96
TCX201T100N1L	200	100	N1L	4.56
TCX231T100N1L	230	100	N1L	4.56
TCX311T100L2L	310	100	L2L	4.40
TCX521T100N3C	520	100	N3C	5.52
TCX621T100N3L	620	100	N3L	5.96

SIZE CHART — TCX CAPACITORS

$\frac{1}{2}$ " , $\frac{5}{8}$ " , $\frac{3}{4}$ " , $\frac{7}{8}$ " and 1" DIAMETER CASES

Case Size	Case Code	Uninsulated		Insulated	
		A (in.) (mm)	B (in.) (mm)	C (in.) (mm)	D (in.) (mm)
$\frac{1}{2} \times 1\frac{1}{8}$	E1C	.500 (12.70)	1.125 (28.57)	.515 (13.10)	1.140 (28.97)
$\frac{1}{2} \times 1\frac{1}{8}$	E1G	.500 (12.70)	1.375 (34.92)	.515 (13.10)	1.390 (35.32)
$\frac{1}{2} \times 1\frac{1}{8}$	E1L	.500 (12.70)	1.625 (41.27)	.515 (13.10)	1.640 (41.67)
$\frac{1}{2} \times 2\frac{1}{8}$	E2C	.500 (12.70)	2.125 (53.97)	.515 (13.10)	2.140 (54.37)
$\frac{5}{8} \times 1\frac{1}{8}$	G1C	.625 (15.87)	1.125 (28.57)	.640 (16.27)	1.140 (28.97)
$\frac{5}{8} \times 1\frac{1}{8}$	G1G	.625 (15.87)	1.375 (34.92)	.640 (16.27)	1.390 (35.32)
$\frac{5}{8} \times 1\frac{1}{8}$	G1L	.625 (15.87)	1.625 (41.27)	.640 (16.27)	1.640 (41.67)
$\frac{5}{8} \times 2\frac{1}{8}$	G2C	.625 (15.87)	2.125 (53.97)	.640 (16.27)	2.140 (54.37)
$\frac{5}{8} \times 2\frac{1}{8}$	G2L	.625 (15.87)	2.625 (66.67)	.640 (16.27)	2.640 (67.07)
$\frac{3}{4} \times 1\frac{1}{8}$	J1C	.750 (19.05)	1.125 (28.57)	.765 (19.44)	1.140 (28.97)
$\frac{3}{4} \times 1\frac{1}{8}$	J1G	.750 (19.05)	1.375 (34.92)	.765 (19.44)	1.390 (35.32)
$\frac{3}{4} \times 1\frac{1}{8}$	J1L	.750 (19.05)	1.625 (41.27)	.765 (19.44)	1.640 (41.67)
$\frac{3}{4} \times 2\frac{1}{8}$	J2C	.750 (19.05)	2.125 (53.98)	.765 (19.44)	2.140 (54.37)
$\frac{3}{4} \times 2\frac{1}{8}$	J2L	.750 (19.05)	2.625 (66.67)	.765 (19.44)	2.640 (67.07)
$\frac{7}{8} \times 1\frac{1}{8}$	L1C	.875 (22.22)	1.125 (28.57)	.890 (22.62)	1.140 (28.97)
$\frac{7}{8} \times 1\frac{1}{8}$	L1G	.875 (22.22)	1.375 (34.92)	.890 (22.62)	1.390 (35.32)
$\frac{7}{8} \times 1\frac{1}{8}$	L1L	.875 (22.22)	1.625 (41.27)	.890 (22.62)	1.640 (41.67)
$\frac{7}{8} \times 2\frac{1}{8}$	L2C	.875 (22.22)	2.125 (53.97)	.890 (22.62)	2.140 (54.37)
$\frac{7}{8} \times 2\frac{1}{8}$	L2L	.875 (22.22)	2.625 (66.67)	.890 (22.62)	2.640 (67.07)
$\frac{7}{8} \times 3\frac{1}{8}$	L3C	.875 (22.22)	3.125 (79.37)	.890 (22.62)	3.140 (79.77)
1 $\times 1\frac{1}{8}$	N1C	1.000 (25.40)	1.125 (28.57)	1.015 (25.80)	1.140 (28.97)
1 $\times 1\frac{1}{8}$	N1G	1.000 (25.40)	1.375 (34.92)	1.015 (25.80)	1.390 (35.32)
1 $\times 1\frac{1}{8}$	N1L	1.000 (25.40)	1.625 (41.27)	1.015 (25.80)	1.640 (41.67)
1 $\times 2\frac{1}{8}$	N2C	1.000 (25.40)	2.125 (53.97)	1.015 (25.80)	2.140 (54.37)
1 $\times 2\frac{1}{8}$	N2L	1.000 (25.40)	2.625 (66.67)	1.015 (25.80)	2.640 (67.07)
1 $\times 3\frac{1}{8}$	N3C	1.000 (25.40)	3.125 (79.37)	1.015 (25.80)	3.140 (79.77)
1 $\times 3\frac{1}{8}$	N3L	1.000 (25.40)	3.625 (92.07)	1.015 (25.80)	3.640 (92.47)



TCG Tubular Computer Grade Capacitors

The TCG Computer Grade capacitor is a small tubular version of the Mallory type CG electrolytic capacitor. **Tolerance:** 3 through 75 volts —10% +75%; all others —10% +50%.

TCG FEATURES

Can Wall Safety Vent
Temperature Range —40°C to +85°C
Widest Variety of Container Sizes
PVC Insulating Sleeve (Standard)

Mylar Sleeve (Optional)
Long Life
Low ESR
New Can Lengths and Diameters
All Welded Construction

Mallory No.	Cap., mfd.	WV DC	Size	Net Each
TCG602U006N1L	6,000	6	N1L	\$3.02
TCG612U006N1L	6,100	6	N1L	3.02
TCG103U006N2L	10,000	6	N2L	3.67
TCG123U006N2L	12,000	6	N2L	3.97
TCG501U010D1A	500	10	D1A	2.03
TCG102U010D1G	1,000	10	D1G	2.15
TCG162U010D2A	1,600	10	D2A	2.31
TCG252U010N1C	2,500	10	N1C	2.45
TCG272U010N1C	2,700	10	N1C	2.45
TCG502U010N1L	5,000	10	N1L	3.02
TCG552U010N1L	5,500	10	N1L	3.22
TCG103U010L3C	10,000	10	L3C	3.97
TCG700U015B0L	70	15	B0L	1.99
TCG181U015C0P	180	15	C0P	1.99
TCG601U015C1L	600	15	C1L	2.10
TCG122U015D2A	1,200	15	D2A	2.31
TCG252U015G2L	2,500	15	G2L	2.54
TCG292U015G2L	2,900	15	G2L	2.99
TCG402U015N1L	4,000	15	N1L	3.22
TCG412U015N1L	4,100	15	N1L	3.22
TCG632U015L2L	6,300	15	L2L	3.67
TCG802U015N2L	8,000	15	N2L	3.97
TCG822U015N2L	8,200	15	N2L	3.97
TCG103U015N3C	10,000	15	N3C	3.97
TCG300U025B0L	30	25	B0L	1.99
TCG121U025D0N	120	25	D0N	1.99
TCG121U025C0S	120	25	C0S	1.99
TCG201U025D1A	200	25	D1A	2.03
TCG231U025D1A	230	25	D1A	2.03
TCG501U025D1N	500	25	D1N	2.31
TCG521U025D1N	520	25	D1N	2.31
TCG102U025N1C	1,000	25	N1C	2.45

Mallory No.	Cap., mfd.	WV DC	Size	Net Each
TCG112U025J1L	1,100	25	J1L	\$2.45
TCG222U025J2L	2,200	25	J2L	3.02
TCG232U025J2L	2,300	25	J2L	3.22
TCG402U025L3C	4,000	25	L3C	3.67
TCG412U025L3C	4,100	25	L3C	3.67
TCG250U030B0L	25	30	B0L	1.99
TCG650U030C0P	65	30	C0P	1.99
TCG950U030D0N	95	30	D0N	1.99
TCG950U030C0S	95	30	C0S	1.99
TCG151U030D1A	150	30	D1A	2.03
TCG251U030D1G	250	30	D1G	2.10
TCG281U030D1G	280	30	D1G	2.10
TCG501U030G1L	500	30	G1L	2.31
TCG112U030G2L	1,100	30	G2L	2.54
TCG212U030L2L	2,100	30	L2L	3.16
TCG242U030L2L	2,400	30	L2L	3.25
TCG302U030L3C	3,000	30	L3C	3.67
TCG180U050B0L	18	50	B0L	1.99
TCG500U050C0S	50	50	C0S	1.99
TCG101U050E1G	100	50	E1G	2.03
TCG151U050D1G	150	50	D1G	2.10
TCG251U050G1L	250	50	G1L	2.31
TCG291U050D2E	290	50	D2E	2.31
TCG291U050G1L	290	50	G1L	2.31
TCG501U050G2L	500	50	G2L	2.45
TCG601U050G2L	600	50	G2L	2.45
TCG112U050N2C	1,100	50	N2C	3.02
TCG122U050N2C	1,200	50	N2C	3.18
TCG232U050N3C	2,300	50	N3C	3.97
TCG252U050N3L	2,500	50	N3L	3.97
TCG100U075B0N	10	75	B0N	1.99
TCG250U075C0S	25	75	C0S	1.99

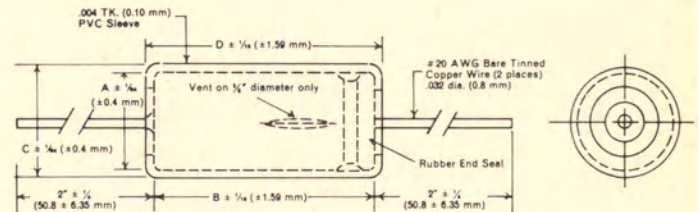
Mallory No.	Cap., mfd.	WV DC	Size	Net Each
TCG400U075C1C	40	75	C1C	\$1.99
TCG150T100C0P	15	100	C0P	1.99
TCG5R0T150B0N	5	150	B0N	1.99
TCG100T150C0P	10	150	C0P	1.99
TCG250T150E1G	25	150	E1G	2.03
TCG500T150D1N	50	150	D1N	2.15
TCG101T150J1L	100	150	J1L	2.45
TCG111T150J1L	110	150	J1L	2.45
TCG251T150L2C	250	150	L2C	3.02
TCG531T150N3C	530	150	N3C	3.97
TCG561T150N3C	560	150	N3C	3.97
TCG200T250E2C	20	250	E2C	2.10
TCG500T250L1G	50	250	L1G	2.36
TCG101T250L2C	100	250	L2C	2.99
TCG201T250N3C	200	250	N3C	3.25
TCG200T350G1L	20	350	G1L	2.31
TCG300T350G2C	30	350	G2C	2.45
TCG400T350G2L	40	350	G2L	2.45
TCG500T350N1L	50	350	N1L	2.54
TCG600T350N1L	60	350	N1L	2.99
TCG101T350N2L	100	350	N2L	3.16
TCG161T350N3L	160	350	N3L	3.97
TCG181T350N3L	180	350	N3L	3.97
TCG5R0T450E1L	5	450	E1L	2.10
TCG100T450G1L	10	450	G1L	2.31
TCG120T450G1L	12	450	G1L	2.31
TCG200T450G2L	20	450	G2L	2.45
TCG500T450N2C	50	450	N2C	3.25
TCG750T450N3C	75	450	N3C	3.97
TCG850T450N3C	85	450	N3C	3.97

Request Bulletin 4-307 for complete technical data.

SIZE CHART — TCG CAPACITORS

1/2", 5/8", 3/4", 7/8" and 1" DIAMETER CASES

Case Size	Case Code	Uninsulated				Insulated			
		A		B		C		D	
		(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)
1/2 x 1 1/8	E1C	.500 (12.70)		1.125 (28.57)		.515 (13.10)		1.140 (28.97)	
1/2 x 1 3/8	E1G	.500 (12.70)		1.375 (34.92)		.515 (13.10)		1.390 (35.32)	
1/2 x 1 1/2	E1L	.500 (12.70)		1.625 (41.27)		.515 (13.10)		1.640 (41.67)	
1/2 x 2 1/8	E2C	.500 (12.70)		2.125 (53.97)		.515 (13.10)		2.140 (54.37)	
5/8 x 1 1/8	G1C	.625 (15.87)		1.125 (28.57)		.640 (16.27)		1.140 (28.97)	
5/8 x 1 1/2	G1G	.625 (15.87)		1.375 (34.92)		.640 (16.27)		1.390 (35.32)	
5/8 x 1 3/4	G1L	.625 (15.87)		1.625 (41.27)		.640 (16.27)		1.640 (41.67)	
5/8 x 2 1/8	G2C	.625 (15.87)		2.125 (53.97)		.640 (16.27)		2.140 (54.37)	
5/8 x 2 1/2	G2L	.625 (15.87)		2.625 (66.67)		.640 (16.27)		2.640 (67.07)	
3/4 x 1 1/8	J1C	.750 (19.05)		1.125 (28.57)		.765 (19.44)		1.140 (28.97)	
3/4 x 1 1/2	J1G	.750 (19.05)		1.375 (34.92)		.765 (19.44)		1.390 (35.32)	
3/4 x 1 3/4	J1L	.750 (19.05)		1.625 (41.27)		.765 (19.44)		1.640 (41.67)	
3/4 x 2 1/8	J2C	.750 (19.05)		2.125 (53.98)		.765 (19.44)		2.140 (54.37)	
3/4 x 2 1/2	J2L	.750 (19.05)		2.625 (66.67)		.765 (19.44)		2.640 (67.07)	
7/8 x 1 1/8	L1C	.875 (22.22)		1.125 (28.57)		.890 (22.62)		1.140 (28.97)	
7/8 x 1 1/2	L1G	.875 (22.22)		1.375 (34.92)		.890 (22.62)		1.390 (35.32)	
7/8 x 1 3/4	L1L	.875 (22.22)		1.625 (41.27)		.890 (22.62)		1.640 (41.67)	
7/8 x 2 1/8	L2C	.875 (22.22)		2.125 (53.97)		.890 (22.62)		2.140 (54.37)	
7/8 x 2 1/2	L2L	.875 (22.22)		2.625 (66.67)		.890 (22.62)		2.640 (67.07)	
7/8 x 3 1/8	L3C	.875 (22.22)		3.125 (79.37)		.890 (22.62)		3.140 (79.77)	
1 x 1 1/8	N1C	1.000 (25.40)		1.125 (28.57)		1.015 (25.80)		1.140 (28.97)	
1 x 1 1/2	N1G	1.000 (25.40)		1.375 (34.92)		1.015 (25.80)		1.390 (35.32)	
1 x 1 3/4	N1L	1.000 (25.40)		1.625 (41.27)		1.015 (25.80)		1.640 (41.67)	
1 x 2 1/8	N2C	1.000 (25.40)		2.125 (53.97)		1.015 (25.80)		2.140 (54.37)	
1 x 2 1/2	N2L	1.000 (25.40)		2.625 (66.67)		1.015 (25.80)		2.640 (67.07)	
1 x 3 1/8	N3C	1.000 (25.40)		3.125 (79.37)		1.015 (25.80)		3.140 (79.77)	
1 x 3 3/8	N3L	1.000 (25.40)		3.625 (92.07)		1.015 (22.80)		3.640 (92.47)	



— TCG ONLY —

5/16", 3/8" and 7/16" DIAMETER CASES

Case Size	Case Code	Uninsulated		Insulated	
		Diameter (in.)	Length (mm)	Diameter (in.)	Length (mm)
5/16 x 5/16	B0L	.312 (7.93)	.625 (15.87)	.328 (8.33)	.640 (16.27)
5/16 x 3/4	B0N	.312 (7.93)	.750 (19.05)	.328 (8.33)	.765 (19.44)
3/8 x 1 1/16	C0P	.375 (9.52)	.812 (20.63)	.390 (9.92)	.828 (21.03)
3/8 x 1 1/8	C0S	.375 (9.52)	.937 (23.81)	.390 (9.92)	.953 (24.20)
3/8 x 1 1/2	C1C	.375 (9.52)	1.125 (28.57)	.390 (9.92)	1.140 (28.97)
3/8 x 1 3/4	C1L	.375 (9.52)	1.625 (41.27)	.390 (9.92)	1.640 (41.67)
7/16 x 3/4	D0N	.437 (11.11)	.750 (19.05)	.453 (11.51)	.765 (19.44)
7/16 x 1	D1A	.437 (11.11)	1.000 (25.40)	.453 (11.51)	1.015 (25.80)
7/16 x 1 1/8	D1C	.437 (11.11)	1.125 (28.57)	.453 (11.51)	1.140 (28.97)
7/16 x 1 1/2	D1G	.437 (11.11)	1.375 (34.92)	.453 (11.51)	1.390 (35.32)
7/16 x 1 3/4	D1N	.437 (11.11)	1.750 (44.45)	.453 (11.51)	1.765 (44.84)
7/16 x 2	D2A	.437 (11.11)	2.000 (50.80)	.453 (11.51)	2.015 (51.20)
7/16 x 2 1/4	D2E	.437 (11.11)	2.250 (57.15)	.453 (11.51)	2.265 (57.55)

Computer Grade Capacitors

Mallory computer grade capacitors provide high C/V product (capacity times voltage per given can size) commensurate with the quality of components required in today's modern equipment.

The type CG is a conservatively rated capacitor designed for longest possible life in all applications.

Type CGS utilizes Mallory Engineering knowledge to provide greater capacity per given can size with higher ripple current capability.

The CG and CGS have the following features:

- Operating temperature range: -40°C $+85^{\circ}\text{C}$
- Capacity tolerance: 0 thru 150 WVDC -10 $+75\%$
151 thru 450 WVDC -10 $+50\%$
- Low leakage current.
- High ripple current capability.
- PVC insulating sleeve standard.
- Polyester and acetate sleeving are options available on special order.
- High post terminals.
- Low post or solder lug terminal options available on special order.

For CG and CGS Capacitor Hardware and Data see pages 37 and 38.



Type CG

Mallory No.	Cap. (MFD)	Max. ESR (ohms) @ 120 Hz	Max. Ripple RMS Amps @ 120 Hz, $+85^{\circ}\text{C}$
10 VOLT			
CG63U10B1	6,000	.17	1.5
CG752U10R2C	7,500	.13	2.1
CG14U10H1	10,000	.082	2.6
CG1352U10K1	13,500	.074	2.7
CG143U10R3C	14,000	.071	2.8
CG213U10R4C	21,000	.048	3.4
CG4352U10F1	43,500	.023	6.5
CG463U10V4C	46,000	.022	6.3
CG164U10X5L	160,000	.01	11.5
15 VOLT			
CG252U15A1	2,500	.33	1.1
CG452U15B1	4,500	.183	1.4
CG642U15C1	6,400	.102	1.9
CG652U15R2C	6,500	.13	2.1
CG83U15H1	8,000	.081	2.6
CG1052U15K1	10,500	.079	2.6
CG113U15J1	11,000	.075	2.7
CG123U15R3C	12,000	.069	2.9
CG143U15D1	14,000	.043	4.2
CG183U15R4C	18,000	.046	3.5
CG213U15U3C	21,000	.039	4.4
CG273U15V3C	27,000	.031	5.3
CG343U15F1	34,000	.024	6.7
CG403U15V4C	40,000	.021	6.4
CG533U15G1	53,000	.026	5.7
CG144U15X5L	140,000	.01	11.5
25 VOLT			
CG152U25A1	1,500	.37	1.0
CG282U25B1	2,800	.20	1.3
CG332U25R2C	3,300	.17	1.8
CG382U25C1	3,800	.14	1.6
CG452U25H1	4,500	.12	2.2
CG63U25K1	6,000	.11	2.3
CG632U25R3C	6,300	.087	2.5
CG852U25D1	8,500	.065	3.4
CG922U25R4C	9,200	.06	3.1
CG103U25U3C	10,000	.065	3.4
CG133U25V3C	13,000	.05	4.1
CG1352U25E1	13,500	.044	4.4
CG203U25V4C	20,000	.032	5.1
CG24U25F1	20,000	.04	5.2
CG323U25W4C	32,000	.022	7.0
CG483U25X4C	48,000	.017	8.8
35 VOLT			
CG112U35A1	1,100	.41	.96
CG212U35B1	2,100	.21	1.3
CG232U35R2C	2,300	.20	1.7
CG362U35H1	3,600	.13	2.1
CG432U35R3C	4,300	.11	2.2
CG472U35K1	4,700	.096	2.4
CG532U35J1	5,300	.085	2.6
CG692U35D1	6,900	.065	3.0
CG952U35V3C	9,500	.047	4.2
CG113U35E1	11,000	.045	4.4
CG113U35U4C	11,000	.041	4.3
CG143U35V4C	14,000	.031	5.1

Mallory No.	Cap. (MFD)	Max. ESR (ohms) @ 120 Hz	Max. Ripple RMS Amps @ 120 Hz, $+85^{\circ}\text{C}$
35 VOLT (Continued)			
CG223U035W4C	22,000	.023	6.8
CG243U35G1	24,000	.025	6.7
CG333U035X4C	33,000	.018	8.6
CG493U035X5L	49,000	.012	10.6
50 VOLT			
CG82U50A1	800	.38	1.0
CG152U50B1	1,500	.17	1.9
CG152U50R2C	1,500	.20	1.6
CG23U50C1	2,000	.15	1.6
CG252U50H1	2,500	.12	2.2
CG292U50R3C	2,900	.10	3.1
CG332U50K1	3,300	.097	2.5
CG352U50J1	3,500	.089	2.5
CG432U50R4C	4,300	.07	2.8
CG452U50D1	4,500	.071	2.8
CG502U50U3C	5,000	.062	3.5
CG652U50V3C	6,500	.049	4.2
CG732U50E1	7,300	.048	4.2
CG742U50U4C	7,400	.042	4.2
CG952U50V4C	9,500	.034	5.0
CG14U50F1	10,000	.041	4.6
CG153U050W4C	15,000	.023	6.1
CG1652U50G1	16,500	.025	5.9
CG223U050X4C	22,000	.019	8.4
CG333U050X5L	33,000	.013	10.1
75 VOLT			
CG62U75A1	600	.40	1.2
CG801U075R2C	800	.30	1.3
CG13U75B1	1,000	.24	1.5
CG152U75C1	1,500	.16	1.9
CG152U075R3C	1,500	.16	1.9
CG23U75H1	2,000	.12	2.4
CG222U075R4C	2,200	.11	2.2
CG252U75K1	2,500	.11	2.7
CG262U075U3C	2,600	.096	2.8
CG262U75J1	2,600	.096	2.8
CG332U075V3C	3,300	.082	3.2
CG3451U75D1	3,450	.078	3.4
CG382U075U4C	3,800	.066	3.4
CG492U075V4C	4,900	.055	3.9
• CG552U75E1	5,500	.054	4.0
CG792U075W4C	7,900	.037	5.4
CG822U75F1	8,200	.041	5.2
• CG113U075X4C	11,000	.031	6.6
CG1252U75G1	12,500	.027	6.4
CG173U075X5L	17,000	.02	8.1
100 VOLT			
CG42U100A1	400	.046	1.1
CG771U100R3C	770	.24	1.5
CG13U100C1	1,000	.19	1.7
• CG112U100R4C	1,100	.17	1.8
CG132U100H1	1,300	.17	2.1
CG172U100J1	1,700	.13	2.4
CG2251U100D1	2,250	.11	2.8
CG252U100V4C	2,500	.096	3.0
CG362U100E1	3,600	.076	3.8

Mallory No.	Cap. (MFD)	Max. ESR (ohms) @ 120 Hz	Max. Ripple RMS Amps @ 120 Hz, $+85^{\circ}\text{C}$
100 VOLT (Continued)			
CG402U100W4C	4,000	.069	4.0
CG592U100X4C	5,900	.053	5.0
CG832U100G1	8,300	.038	5.9
150 VOLT			
CG2750U150A1	275	.53	.97
CG52U150B1	500	.29	1.32
CG72U150C1	700	.21	1.55
CG1151U150J1	1,150	.096	2.65
CG1551U150D1	1,550	.071	3.3
CG252U150E1	2,500	.088	3.3
CG362U150F1	3,600	.075	4.0
CG562U150G1	5,600	.048	5.0
200 VOLT			
CG181T200A1	180	.78	.81
CG341T200B1	340	.41	1.1
CG451T200C1	450	.31	1.3
CG551T200H1	550	.19	1.9
CG751T200K1	750	.14	2.3
CG13T200D1	1,000	.10	2.8
CG1651T200E1	1,650	.12	2.8
CG2451T200F1	2,450	.098	3.5
CG382T200G1	3,800	.063	4.3
250 VOLT			
CG141T250A1	140	1.0	.71
CG2750T250B1	275	.51	1.0
CG3750T250C1	375	.37	1.2
CG62T250K1	600	.17	2.1
CG82T250D1	800	.13	2.4
CG33T250G1	3,000	.08	3.8
300 VOLT			
CG2250T300B1	225	.60	.92
CG3250T300C1	325	.42	1.1
CG5250T300K1	525	.20	1.9
CG72T300D1	700	.15	2.3
CG262T300G1	2,600	.092	3.6
350 VOLT			
CG12T350A1	100	1.35	.61
CG181T350B1	180	.75	.82
CG251T350C1	250	.54	.97
CG42T350K1	400	.25	1.7
CG551T350D1	550	.18	2.1
CG132T350F1	1,300	.18	2.4
CG23T350G1	2,000	.12	3.1
400 VOLT			
CG151T400C1	150	.88	.76
CG3250T400D1	325	.31	1.4
CG531T400E1	530	.35	1.7
450 VOLT			
CG41T450A1	40	3.3	.39
CG111T450C1	110	1.21	.59
CG141T450H1	140	.71	.98
CG241T450D1	240	.41	1.3

Consult your local Mallory Distributor for price information.

Computer Grade Capacitors

Type CGS

Mallory No.	Cap. (MFD)	Max. ESR (ohms) @ 120 Hz.	Max. Ripple RMS Amps @ 120 Hz. +85°C
10 VOLTS			
CGS722U010BB1	7,200	.19	.27
CGS123U010R2C	12,000	.12	3.4
CGS133U010BD1	13,000	.11	3.6
CGS203U010BF1	20,000	.069	4.5
CGS303U010DD1	30,000	.046	6.4
CGS333U010R4C	33,000	.042	5.8
CGS443U010DF1	44,000	.031	7.8
CGS583U010V3C	58,000	.027	8.1
CGS763U010V4C	76,000	.018	10.8
CGS154U010X3L	150,000	.017	14.1
CGS164U010FJ1	160,000	.013	14.4
CGS224U010X4C	220,000	.014	16.0
CGS284U010X5R	280,000	.008	20.0
CGS394U010X6L	390,000	.008	26.4
15 VOLTS			
CGS552U015BB1	5,500	.18	2.8
CGS892U015R2C	8,900	.11	3.5
CGS103U015BD1	10,000	.11	3.6
CGS153U015BF1	15,000	.067	4.6
CGS173U015R3C	17,000	.059	4.9
CGS213U015R3L	21,000	.042	5.6
CGS233U015DD1	23,000	.043	6.7
CGS253U015R4C	25,000	.04	5.9
CGS343U015R5C	34,000	.026	8.4
CGS343U015DF1	34,000	.029	8.2
CGS383U015V3C	38,000	.026	9.0
CGS503U015DI1	50,000	.02	9.7
CGS803U015FF1	80,000	.021	12.4
CGS833U015V5L	83,000	.012	13.4
CGS104U015FH1	100,000	.017	12.6
CGS124U015X3L	120,000	.018	13.4
CGS124U015FJ1	120,000	.014	14.0
CGS184U015X4L	180,000	.013	17.6
CGS214U015X5R	210,000	.008	20.0
CGS304U015X7L	300,000	.007	30.0
25 VOLTS			
CGS302U025BB1	3,000	.20	2.7
CGS472U025R2C	4,700	.13	3.3
CGS562U025BD1	5,600	.11	3.6
CGS822U025BF1	8,200	.073	4.4
CGS892U025R3C	8,900	.067	4.6
CGS123U025DD1	12,000	.05	6.2
CGS133U025R4C	13,000	.046	5.5
CGS183U025DF1	18,000	.033	7.6
CGS203U025V3C	20,000	.03	8.4
CGS273U025DI1	27,000	.022	9.3
CGS293U025V4C	29,000	.021	10.0
CGS433U025FF1	43,000	.023	12.1
CGS433U025V5L	43,000	.014	12.3

Mallory No.	Cap. (MFD)	Max. ESR (ohms) @ 120 Hz.	Max. Ripple RMS Amps @ 120 Hz. +85°C
25 VOLTS (Continued)			
CGS573U025FH1	57,000	.018	12.3
CGS673U025FJ1	67,000	.015	13.5
CGS703U025X4C	70,000	.014	15.3
CGS763U025X4C	76,000	.018	14.4
CGS923U025X5C	92,000	.011	17.3
CGS114U025X5L	110,000	.012	20.3
CGS114U025X5R	110,000	.009	20.3
40 VOLTS			
CGS222U040BB1	2,200	.21	2.6
CGS272U040R2C	2,700	.17	2.9
CGS422U040BD1	4,200	.11	3.6
CGS512U040R3C	5,100	.09	4.0
CGS622U040BF1	6,200	.073	4.4
CGS752U040R4C	7,500	.06	4.8
CGS932U040DD1	9,300	.048	6.6
CGS113U040V3C	11,000	.041	7.2
CGS133U040DF1	13,000	.035	7.4
CGS173U040V4C	17,000	.026	9.0
CGS203U040DI1	20,000	.022	9.7
CGS323U040FF1	32,000	.019	12.0
CGS403U040X4C	40,000	.015	14.8
CGS433U040FH1	43,000	.014	13.9
CGS503U040FJ1	50,000	.012	16.7
CGS533U040X5C	53,000	.011	17.0
CGS783U040X6L	78,000	.011	22.3
50 VOLTS			
CGS162U050BB1	1,600	.22	2.5
CGS222U050R2C	2,200	.16	3.0
CGS292U050BD1	2,900	.12	3.4
CGS412U050R3C	4,100	.085	4.1
CGS432U050BF1	4,300	.081	4.2
CGS492U050R3L	4,900	.078	4.2
CGS612U050R4C	6,100	.057	4.9
CGS652U050DD1	6,500	.055	5.9
CGS962U050DF1	9,600	.038	7.1
CGS133U050V4C	13,000	.028	8.7
CGS143U050DI1	14,000	.026	8.6
CGS153U050V4C	15,000	.033	8.3
CGS203U050V5L	20,000	.018	10.8
CGS223U050FF1	22,000	.022	11.4
CGS253U050W4C	25,000	.022	11.6
CGS303U050FH1	30,000	.016	13.0
CGS333U050X4C	33,000	.015	14.9
CGS353U050FJ1	35,000	.014	14.1
CGS413U050X4L	41,000	.018	14.9
CGS433U050X5C	43,000	.011	17.2
CGS633U050X6L	63,000	.012	21.7
75 VOLTS			
CGS821U075BB1	820	.082	2.2

Mallory No.	Cap. (MFD)	Max. ESR (ohms) @ 120 Hz.	Max. Ripple RMS Amps @ 120 Hz. +85°C
75 VOLTS (Continued)			
CGS112U075R2C	1,100	.22	2.5
CGS152U075BD1	1,500	.17	3.0
CGS212U075R3C	2,100	.12	3.4
CGS232U075BF1	2,300	.11	3.6
CGS312U075R4C	3,100	.081	4.2
CGS342U075DD1	3,400	.082	4.8
CGS482U075V3C	4,800	.058	6.0
CGS502U075DF1	5,000	.056	5.8
CGS712U075V4C	7,100	.039	7.4
CGS752U075DI1	7,500	.037	7.2
CGS123U075FF1	12,000	.03	9.5
CGS173U075X4C	17,000	.021	12.5
CGS263U075X5R	26,000	.014	15.4
100 VOLTS			
CGS122U100BD1	1,200	.17	2.4
CGS182U100BF1	1,800	.12	3.4
CGS402U100DF1	4,000	.065	5.7
150 VOLTS			
CGS401U150BB1	400	.40	1.9
CGS721U150BD1	720	.23	2.4
CGS112U150BF1	1,100	.40	3.1
CGS352U150DI1	3,500	.057	6.1
CGS742U150FH1	7,400	.038	9.4
CGS872U150FJ1	8,700	.032	10.2
250 VOLTS			
CGS201T250BB1	200	.70	1.3
CGS381T250BD1	380	.38	1.8
CGS551T250BF1	550	.25	2.2
CGS851T250DD1	850	.12	3.9
CGS122T250DF1	1,200	.087	4.6
CGS192T250DI1	1,900	.055	5.9
CGS392T250FH1	3,900	.063	6.8
350 VOLT			
CGS131T350BB1	130	1.0	1.1
CGS251T350BD1	250	.54	1.5
CGS801T350DF1	800	.13	3.8
CGS302T350FJ1	3,000	.08	6.1
450 VOLTS			
CGS750T450BB1	75	1.77	.90
CGS141T450BD1	140	.95	1.2
CGS211T450BF1	210	.63	1.4
CGS321T450DD1	320	.31	2.5
CGS481T450DF1	480	.21	3.0
CGS112T450FF1	1,100	.22	4.0
CGS152T450FH1	1,500	.16	4.4
CGS182T450FJ1	1,800	.13	4.8

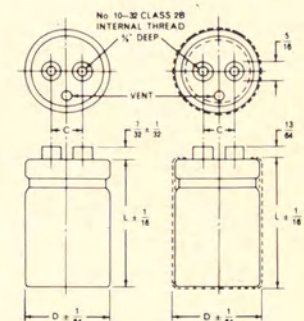
Consult your local Mallory Distributor for price information.

COMPUTER GRADE SIZE CHART

Case size is part of Mallory number — see page 16

Case Size CG-GS	Case Size CG	Case Size CGS	Inches Dia.*	Inches Lg.*	Dim. C	Mtg. Clamp	Case Size CG-GS	Case Size CG	Case Size CGS	Inches Dia.*	Inches Lg.*	Dim. C	Mtg. Clamp
N2L			1	2 3/8		VR1	V3L			2	3 3/8	1 3/16	VR8
N3C			1	3 1/8		VR1	V4C	D	DF	2	4 1/8	1 3/16	VR8
N3L			1	3 3/8		VR1	V4L			2	4 3/8	1 3/16	VR8
N4C			1	4 1/8		VR1	V5C			2	5 1/8	1 3/16	VR8
R1N			1 3/8	1 3/4	1/2	VR3	V5L		DI	2	5 3/8	1 3/16	VR8
R2C	A	BB	1 3/8	2 1/8	1/2	VR3	W4C	E		2 1/2	4 1/8	1 1/8	VR10
R2L			1 3/8	2 3/8	1/2	VR3	W4L			2 1/2	4 3/8	1 1/8	VR10
R3C	B	BD	1 3/8	3 1/8	1/2	VR3	W5C			2 1/2	5 1/8	1 1/8	VR10
R3L			1 3/8	3 3/8	1/2	VR3	X3L			3	3 3/8	1 1/4	VR12
R4C	C	BF	1 3/8	4 1/8	1/2	VR3	X4C	F	FF	3	4 1/8	1 1/4	VR12
R4L			1 3/8	4 3/8	1/2	VR3	X4L			3	4 3/8	1 1/4	VR12
R5C			1 3/8	5 1/8	1/2	VR3	X5C		FH	3	5 1/8	1 1/4	VR12
R5L			1 3/8	5 3/8	1/2	VR3	X5L	G		3	5 3/8	1 1/4	VR12
U3C	H		1 3/4	3 3/8	3/4	VR6	X5R		FJ	3	5 7/8	1 1/4	VR12
U4C	J		1 3/4	4 1/8	3/4	VR6	X6L			3	6 1/8	1 1/4	VR12
U5C			1 3/4	5 1/8	3/4	VR6	X7L			3	7 1/8	1 1/4	VR12
U5L			1 3/4	5 3/8	3/4	VR6	X8L			3	8 1/8	1 1/4	VR12
V3C	K	DD	2	3 3/8	1 3/16	VR8							

*Bare can dimensions. Add .078" to diameter and .125" to length for insulating sleeve.



For CG and CGS Capacitor Hardware see page 37 and 38.

CATALOG NUMBERING SYSTEM For Types CG and CGS
Please Specify By Complete Number:

	CG	403	U	15	CASE
	CGS	712	U	075	CODE
MALLORY TYPE NUMBER This identifies the basic capacitor design.					
CAPACITANCE: Expressed in microfarads. The first two digits are significant figures, the third is the number of zeroes.					
CAPACITANCE TOLERANCE U = -10%, + 75% (0 to 150 volts) T = -10%, + 50% (151 volts and up)					
DC VOLTAGE RATING: Expressed in volts. Zeroes are used to precede the voltage rating where necessary to complete the three digit block.					
CASE CODE: (see Table of Dimensions)					

AC Motor Start Capacitors

TYPE PSU MOTOR STARTING CAPACITORS

PSU capacitors are dry electrolytic non-polarized types for intermittent duty in AC motor starting circuits. Capacitors are rated at minimum to maximum microfarads. New this year are the smaller case sizes indicated in the listings below with the New Product dot "•". These smaller cases are designed for new applications or where size is at a premium. Cases are of moisture and oil resistant molded plastic. Equipped with two quick disconnect terminals. May be mounted by means of PL plastic end cap and HB metal snap-in bracket or VR clamp-bracket. (Order separately)

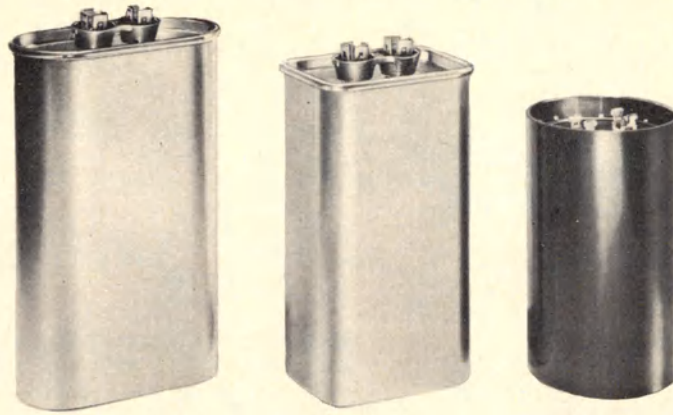
Mallory No.	Cap., mfd	Volts AC	Size, In. Dia. x Lg.	List Each
PSU7510	75-90	110	1 1/8 x 3 3/8	\$3.72
PSU8610	86-103	110	1 1/8 x 3 3/8	3.84
PSU9710	97-116	110	1 1/8 x 3 3/8	4.08
PSU23310A	233-280	110	1 1/8 x 3 3/8	6.30
PSU23310B	233-280	110	2 1/8 x 2 3/4	6.30
PSU27010B	270-324	110	2 1/8 x 2 3/4	6.48
PSU28210	282-338	110	1 1/8 x 3 3/8	7.20
PSU40010	400-480	110	1 1/8 x 4 3/8	8.16
PSU43010	430-516	110	1 1/8 x 4 3/8	9.60
PSU46010	460-552	110	2 1/8 x 3 3/8	10.20
PSU48510	485-582	110	1 1/8 x 4 3/8	12.06
PSU54010	540-648	110	1 1/8 x 4 3/8	13.14
PSU54010A	540-648	110	2 1/8 x 3 3/8	13.14
PSU59010	590-708	110	1 1/8 x 4 3/8	13.92
PSU2115	21-25	110-125	1 1/8 x 2 3/4	3.12
PSU2515	25-30	110-125	1 1/8 x 2 3/4	3.24
PSU3015	30-36	110-125	1 1/8 x 2 3/4	3.24
PSU3615	36-43	110-125	1 1/8 x 2 3/4	3.24
PSU3815	38-46	110-125	1 1/8 x 2 3/4	3.42
PSU4315	43-53	110-125	1 1/8 x 2 3/4	3.48
PSU5315	53-64	110-125	1 1/8 x 2 3/4	3.54
PSU6415	64-77	110-125	1 1/8 x 2 3/4	3.60
PSU7215	72-88	110-125	1 1/8 x 2 3/4	3.60
PSU8815	88-108	110-125	1 1/8 x 2 3/4	3.84
PSU10815	108-130	110-125	1 1/8 x 2 3/4	3.90
PSU12415	124-149	110-125	1 1/8 x 2 3/4	3.90
PSU13015	130-156	110-125	1 1/8 x 2 3/4	4.14
PSU14515	145-175	110-125	1 1/8 x 2 3/4	4.26
PSU16115	161-193	110-125	1 1/8 x 2 3/4	4.38
PSU18915	189-227	110-125	1 1/8 x 3 3/8	5.10
PSU20015	200-240	110-125	1 1/8 x 3 3/8	5.22
PSU21615	216-259	110-125	1 1/8 x 3 3/8	5.40
PSU23315	233-280	110-125	1 1/8 x 4 3/8	6.30
PSU24315	243-292	110-125	1 1/8 x 3 3/8	6.36
PSU27015	270-324	110-125	1 1/8 x 3 3/8	6.48
PSU30015	300-360	110-125	1 1/8 x 3 3/8	7.08
PSU32415	324-388	110-125	1 1/8 x 3 3/8	7.32

Mallory No.	Cap., mfd	Volts AC	Size, In. Dia. x Lg.	List Each
PSU34015	340-408	110-125	1 1/8 x 3 3/8	\$7.50
PSU37815	378-440	110-125	1 1/8 x 3 3/8	7.80
PSU40015	400-480	110-125	1 1/8 x 3 3/8	8.22
PSU43015	430-516	110-125	2 1/8 x 4 3/8	9.60
PSU46015	460-552	110-125	2 1/8 x 4 3/8	10.20
PSU54015	540-648	110-125	2 1/8 x 4 3/8	13.14
PSU59015	590-708	110-125	2 1/8 x 4 3/8	13.92
PSU70515	705-845	110-125	2 1/8 x 4 3/8	14.34
PSU82915	829-995	110-125	2 1/8 x 4 3/8	16.92
PSU100015	1000-1200	110-125	2 1/8 x 4 3/8	18.60
• PSU2125	21-25	125	1 1/8 x 2	3.40
• PSU2525	25-30	125	1 1/8 x 2	3.53
• PSU3625	36-43	125	1 1/8 x 2	3.53
• PSU5325	53-64	125	1 1/8 x 2	3.86
• PSU6425	64-77	125	1 1/8 x 2	3.92
PSU7225	72-86	125	1 1/8 x 3 3/8	3.78
• PSU7225A	72-87	125	1 1/8 x 2	3.78
PSU8625	86-103	125	1 1/8 x 2 3/4	4.20
• PSU8625A	86-103	125	1 1/8 x 2	4.20
• PSU8825	88-108	125	1 1/8 x 2	4.20
PSU10825	108-130	125	1 1/8 x 3 3/8	4.26
• PSU10825A	108-130	125	1 1/8 x 2	4.26
PSU12425	124-149	125	1 1/8 x 3 3/8	4.32
• PSU12425A	124-149	125	1 1/8 x 2	4.32
PSU13025	130-156	125	1 1/8 x 3 3/8	4.62
PSU14525	145-174	125	1 1/8 x 3 3/8	4.92
PSU16125	161-193	125	1 1/8 x 4 3/8	5.52
PSU16125A	161-193	125	1 1/8 x 3 3/8	5.52
PSU18925	189-229	125	1 1/8 x 3 3/8	5.70
PSU19225	192-230	125	1 1/8 x 4 3/8	5.88
PSU21625	216-259	125	1 1/8 x 3 3/8	6.30
PSU24325	243-292	125	1 1/8 x 3 3/8	6.96
PSU27325	273-328	125	1 1/8 x 4 3/8	7.08
PSU32425	324-389	125	1 1/8 x 4 3/8	9.48
PSU34125	341-409	125	1 1/8 x 4 3/8	10.44
PSU40025	400-480	125	2 1/8 x 4 3/8	10.92
PSU48525	485-543	125	2 1/8 x 4 3/8	11.58
• PSU2165	21-25	165	1 1/8 x 2	5.24
• PSU2565	25-30	165	1 1/8 x 2	3.95
• PSU3065	30-36	165	1 1/8 x 2	4.08
• PSU3665	36-43	165	1 1/8 x 2	4.30
• PSU4365	43-52	165	1 1/8 x 2	4.44
• PSU4765	47-56	165	1 1/8 x 2	4.59
• PSU5365	53-64	165	1 1/8 x 2	4.75
• PSU6465	64-77	165	1 1/8 x 2	4.95
• PSU7265	72-87	165	1 1/8 x 2	5.25
PSU18965	189-227	165	1 1/8 x 4 3/8	10.32
PSU21665	216-259	165	1 1/8 x 4 3/8	10.68
PSU3820	38-46	220	1 1/8 x 3 3/8	7.02
PSU5320	53-64	220	1 1/8 x 3 3/8	7.80
PSU6420	64-77	220	1 1/8 x 3 3/8	9.12
PSU8620	86-103	220	1 1/8 x 4 3/8	10.26
PSU14120R	141-169	220	2 1/8 x 4 3/8	13.32
PSU14520	145-174	220	2 1/8 x 4 3/8	13.68

Mallory No.	Cap., mfd	Volts AC	Size, In. Dia. x Lg.	List Each
PSU21620	216-259	220	2 1/8 x 4 3/8	\$18.00
PSU23320	233-280	220	2 1/8 x 4 3/8	19.32
PSU2535	25-30	220-250	1 1/8 x 2 3/4	6.36
PSU4335	43-53	220-250	1 1/8 x 3 3/8	7.62
PSU5035	50-60	220-250	1 1/8 x 3 3/8	7.68
PSU7535	75-90	220-250	1 1/8 x 3 3/8	9.90
PSU8835	88-108	220-250	1 1/8 x 3 3/8	9.90
PSU10835	108-130	220-250	1 1/8 x 4 3/8	11.58
PSU12135	121-145	220-250	2 1/8 x 4 3/8	12.24
PSU13535	135-162	220-250	2 1/8 x 4 3/8	12.66
PSU14135R	141-169	220-250	2 1/8 x 4 3/8	13.32
PSU16135	161-193	220-250	2 1/8 x 4 3/8	15.84
PSU18935R	189-227	220-250	2 1/8 x 4 3/8	16.38
PSU21635	216-259	220-250	2 1/8 x 4 3/8	16.38
PSU23335	233-280	220-250	2 1/8 x 4 3/8	18.00
PSU27035	270-324	220-250	2 1/8 x 4 3/8	19.80
PSU1850R	18-22	250	1 1/8 x 2 3/4	6.36
PSU2150	21-25	250	1 1/8 x 2 3/4	6.54
PSU2550	25-30	250	1 1/8 x 2 3/4	6.72
PSU3650	36-43	250	1 1/8 x 3 3/8	8.22
PSU4350	43-53	250	1 1/8 x 3 3/8	8.34
PSU5050	50-60	250	1 1/8 x 3 3/8	8.58
PSU5950	59-71	250	1 1/8 x 4 3/8	9.84
PSU7550	75-90	250	1 1/8 x 4 3/8	10.26
PSU8150	81-97	250	1 1/8 x 4 3/8	11.16
PSU8850	88-108	250	1 1/8 x 4 3/8	11.22
PSU10850	108-130	250	2 1/8 x 4 3/8	12.30
PSU12150	121-145	250	2 1/8 x 4 3/8	13.44
PSU13550	135-162	250	2 1/8 x 4 3/8	14.10
PSU13550R	135-162	250	2 1/8 x 4 3/8	14.28
PSU14150	141-169	250	2 1/8 x 4 3/8	16.38
PSU16150R	161-193	250	2 1/8 x 4 3/8	19.80
PSU18950	189-227	250	2 1/8 x 4 3/8	20.58
PSU2130	21-25	330	1 1/8 x 2 3/4	6.30
PSU2730	27-32	330	1 1/8 x 3 3/8	6.84
PSU3430	34-41	330	1 1/8 x 3 3/8	7.32
PSU4130	41-53	330	1 1/8 x 3 3/8	7.80
PSU5330	53-64	330	1 1/8 x 4 3/8	9.96
PSU7230	72-86	330	2 1/8 x 4 3/8	10.92
PSU8130	81-90	330	2 1/8 x 4 3/8	14.28
PSU8830	88-108	330	2 1/8 x 4 3/8	14.34
PSU9730	97-116	330	2 1/8 x 4 3/8	15.96
PSU10830	108-130	330	2 1/8 x 4 3/8	16.74
PSU10830R	108-130	330	2 1/8 x 4 3/8	16.92
PSU12430	124-149	330	2 1/8 x 4 3/8	18.66
PSU12730	127-152	330	2 1/8 x 4 3/8	18.90
PSU13530	135-162	330	2 1/8 x 4 3/8	19.08
PSU13530R	136-162	330	2 1/8 x 4 3/8	19.26
PSU14530	145-175	330	2 1/8 x 4 3/8	20.70
PSU16130	161-193	330	2 1/8 x 4 3/8	22.20
PSU18930	189-227	330	2 1/8 x 4 3/8	20.70
PSU21630	216-259	330	2 1/8 x 4 3/8	22.20

Suffix R indicates resistor across terminals

AC Motor Run Capacitors



OVAL TYPE OP — CONTINUOUS DUTY MOTOR RUN CAPACITORS

All types have metal cases and four blade quick-connect terminals with flash guards. Impregnating oil is nonflammable. Tolerance: $\pm 10\%$. Temp. Range: -30° to $+70^\circ$ C. Always connect AC line to red terminal and windings to black. Letter suffix "A" through "C" indicates case size change. Letter suffix "F" indicates internal fuse is used. Letter suffix "R" indicates resistor across terminals.

Catalog No.	Cap., mfd	Volts AC	Size, In. Dia. x Lg.*	List Each
OP1065	10	165 1 ¹ / ₁₆	x2 ³ / ₃₂ x2 ⁷ / ₈	\$12.54
OP336	3	236 1 ¹ / ₁₆	x2 ³ / ₃₂ x2 ¹ / ₁₆	6.44
OP436	4	236 1 ¹ / ₁₆	x2 ³ / ₃₂ x2 ¹ / ₁₆	6.61
OP536	5	236 1 ¹ / ₁₆	x2 ³ / ₃₂ x2 ¹ / ₁₆	6.79
OP7X36	7.5	236 1 ¹ / ₁₆	x2 ³ / ₃₂ x3 ³ / ₈	12.71
OP1036A	10	236 2 ³ / ₃₂	x2 ⁷ / ₃₂ x2 ¹ / ₄	13.68
OP1536A	15	236 2 ³ / ₃₂	x2 ⁷ / ₃₂ x3 ¹ / ₃₂	15.93
OP2036	20	236 2 ³ / ₃₂	x2 ⁷ / ₃₂ x3 ³ / ₃₂	23.29
OP17525	17.5	250 2 ³ / ₃₂	x2 ⁷ / ₃₂ x3 ¹ / ₃₂	21.56
OP1033A	10	330 2 ³ / ₃₂	x2 ⁷ / ₃₂ x2 ¹ / ₄	14.38
OP170	1	370 1 ¹ / ₁₆	x2 ³ / ₃₂ x1 ¹ / ₁₆	6.44
OP270	2	370 1 ¹ / ₁₆	x2 ³ / ₃₂ x1 ¹ / ₁₆	7.02
OP370	3	370 1 ¹ / ₁₆	x2 ³ / ₃₂ x2 ¹ / ₁₆	7.13
OP470	4	370 1 ¹ / ₁₆	x2 ³ / ₃₂ x2 ¹ / ₁₆	8.22
OP570	5	370 1 ¹ / ₁₆	x2 ³ / ₃₂ x2 ¹ / ₈	11.10
OP670	6	370 1 ¹ / ₁₆	x2 ³ / ₃₂ x3 ¹ / ₈	12.48
OP7X570	7.5	370 2 ³ / ₃₂	x2 ⁷ / ₃₂ x2 ¹ / ₂	16.45
OP7X570A	7.5	370 1 ¹ / ₁₆	x2 ³ / ₃₂ x3 ¹ / ₁₆	16.45
OP1070	10	370 2 ³ / ₃₂	x2 ⁷ / ₃₂ x3 ¹ / ₃₂	17.65
OP1070A	10	370 1 ¹ / ₁₆	x2 ³ / ₃₂ x4 ¹ / ₄	17.65
OP12X70	12.5	370 1 ¹ / ₁₆	x2 ³ / ₃₂ x3 ¹ / ₂	20.70
OP1570	15	370 2 ³ / ₃₂	x2 ⁷ / ₃₂ x4 ³ / ₃₂	20.70
OP1570B	15	370 1 ¹ / ₁₆	x2 ³ / ₃₂ x3 ³ / ₈	20.70
OP17570	17.5	370 2 ³ / ₃₂	x2 ⁷ / ₃₂ x4 ³ / ₈	22.54
OP17570B	17.5	370 1 ¹ / ₁₆	x2 ³ / ₃₂ x4 ¹ / ₄	22.54
OP2070	20	370 2 ³ / ₃₂	x2 ⁷ / ₃₂ x4 ¹ / ₂	27.72
OP2070B	20	370 1 ¹ / ₁₆	x2 ³ / ₃₂ x5 ¹ / ₄	27.72
OP2570	25	370 2 ³ / ₃₂	x2 ⁷ / ₃₂ x5 ¹ / ₈	34.04
OP2570B	25	370 1 ¹ / ₁₆	x2 ³ / ₃₂ x6 ¹ / ₄	34.04
OP2570C	25	370 1 ¹ / ₁₆	x3 ¹ / ₃₂ x4 ³ / ₄	34.04
OP27570	27.5	370 1 ¹ / ₁₆	x3 ¹ / ₃₂ x5 ¹ / ₄	35.59
OP3070	30	370 1 ¹ / ₁₆	x3 ¹ / ₃₂ x5 ³ / ₄	37.54
OP3570	35	370 1 ¹ / ₁₆	x3 ¹ / ₃₂ x6 ¹ / ₄	39.10
OP4070	40	370 1 ¹ / ₁₆	x3 ¹ / ₃₂ x7 ¹ / ₄	40.42
OP4570	45	370 1 ¹ / ₁₆	x3 ¹ / ₃₂ x8	52.04
OP5070	50	370 1 ¹ / ₁₆	x3 ¹ / ₃₂ x9	67.79
OP150370	15/3	370 1 ¹ / ₁₆	x2 ³ / ₃₂ x4 ³ / ₄	22.42
OP150470	15/4	370 1 ¹ / ₁₆	x2 ³ / ₃₂ x5 ¹ / ₄	27.48
OP150570	15/5	370 1 ¹ / ₁₆	x2 ³ / ₃₂ x5 ¹ / ₄	34.27
OP1501070	15/10	370 1 ¹ / ₁₆	x2 ³ / ₃₂ x6 ¹ / ₄	35.77
OP170570	17.5/5	370 1 ¹ / ₁₆	x2 ³ / ₃₂ x6 ¹ / ₄	34.44
OP200570	20.5	370 1 ¹ / ₁₆	x3 ¹ / ₃₂ x5 ¹ / ₄	36.46
OP2001570R	20/15	370 1 ¹ / ₁₆	x3 ¹ / ₃₂ x6 ³ / ₄	48.99
OP250370	25-3	370 1 ¹ / ₁₆	x3 ¹ / ₃₂ x5 ¹ / ₄	38.93
OP250570	25.5	370 1 ¹ / ₁₆	x3 ¹ / ₃₂ x6 ³ / ₄	44.85
OP300570	30.5	370 1 ¹ / ₁₆	x3 ¹ / ₃₂ x8	48.99
OP350370	35-3	370 1 ¹ / ₁₆	x3 ¹ / ₃₂ x7 ¹ / ₄	47.44
OP350470	35/4	370 1 ¹ / ₁₆	x3 ¹ / ₃₂ x7 ¹ / ₄	39.39
OP350570A	35.5	370 1 ¹ / ₁₆	x3 ¹ / ₃₂ x7 ¹ / ₄	50.60
OP240	2	440 1 ¹ / ₁₆	x2 ³ / ₃₂ x2 ¹ / ₁₆	8.97
OP340	3	440 1 ¹ / ₁₆	x2 ³ / ₃₂ x2 ¹ / ₈	9.75
OP440	4	440 1 ¹ / ₁₆	x2 ³ / ₃₂ x3 ¹ / ₁₆	12.82
OP540	5	440 1 ¹ / ₁₆	x2 ³ / ₃₂ x3 ³ / ₈	13.28
OP640	6	440 1 ¹ / ₁₆	x2 ³ / ₃₂ x4 ¹ / ₁₆	15.58
OP7X40	7.5	440 2 ³ / ₃₂	x2 ⁷ / ₃₂ x3 ¹ / ₃₂	16.85
OP1040	10	440 1 ¹ / ₁₆	x2 ³ / ₃₂ x3 ³ / ₈	18.46
OP12X40	12.5	440 1 ¹ / ₁₆	x2 ³ / ₃₂ x4 ³ / ₄	22.02

*LENGTH $+1\frac{1}{16}$ " IS MAX. Shorter lengths are being phased into the line.

Catalog No.	Cap., mfd	Volts AC	Size, In. Dia. x Lg.*	List Each
OP1044	10	440	$2\frac{3}{32} \times 2\frac{7}{32} \times 4\frac{5}{32}$	\$18.46
OP1540	15	440	$2\frac{3}{32} \times 2\frac{7}{32} \times 5\frac{5}{8}$	25.53
OP17X40	17.5	440	$1\frac{1}{32} \times 2\frac{3}{32} \times 6\frac{1}{4}$	34.27
OP10D440	10/4	440	$1\frac{1}{32} \times 2\frac{3}{32} \times 5\frac{1}{4}$	31.68
OP17D740	17.5/7.5	440	$1\frac{1}{32} \times 3\frac{1}{32} \times 6\frac{1}{4}$	36.34
OP17D1740F	17.5/17.5	440	$1\frac{1}{32} \times 3\frac{1}{32} \times 9$	64.28
OP2040	20	440	$1\frac{1}{32} \times 2\frac{3}{32} \times 6\frac{3}{4}$	32.20
OP2040B	20	440	$1\frac{1}{32} \times 3\frac{1}{32} \times 5\frac{1}{4}$	32.20
OP20D1540R	20/15	440	$1\frac{1}{32} \times 3\frac{1}{32} \times 9$	50.19
OP20D2040R	20/20	440	$1\frac{1}{32} \times 3\frac{1}{32} \times 9\frac{1}{2}$	60.72
OP2540	25	440	$1\frac{1}{32} \times 3\frac{1}{32} \times 6\frac{1}{4}$	46.69
OP25D440	25/4	440	$1\frac{1}{32} \times 2\frac{3}{32} \times 8$	51.92
OP25D1040R	25/10	440	$1\frac{1}{32} \times 3\frac{1}{32} \times 9$	57.50
OP25D2040R	25/20	440	$1\frac{1}{32} \times 3\frac{1}{32} \times 9\frac{1}{2}$	63.31
OP3040	30	440	$1\frac{1}{32} \times 3\frac{1}{32} \times 8$	51.64
OP3540	35	440	$1\frac{1}{32} \times 3\frac{1}{32} \times 9$	59.63
OP35D340	35/3	440	$1\frac{1}{32} \times 3\frac{1}{32} \times 9\frac{1}{2}$	70.26
OP35D540	35/5	440	$1\frac{1}{32} \times 3\frac{1}{32} \times 9\frac{1}{2}$	71.42
OP4040	40	440	$1\frac{1}{32} \times 3\frac{1}{32} \times 9\frac{1}{2}$	65.32
OP4540	45	440	$1\frac{1}{32} \times 3\frac{1}{32} \times 9\frac{1}{2}$	69.86

RECTANGULAR TYPE OPR — CONTINUOUS DUTY

Catalog No.	Cap., mfd	Volts AC	Size, In. Dia. x Lg.*	List Each
OPR2570B	25	370	2 ⁷ / ₃₂ x 4 ³ / ₁₆ x 3 ³ / ₁₆	\$40.02
OPR3570	35	370	2 ⁷ / ₃₂ x 4 ³ / ₁₆ x 3 ³ / ₄	39.73
OPR4070	40	370	2 ⁷ / ₃₂ x 4 ³ / ₁₆ x 4 ³ / ₁₆	61.35
OPR4570	45	370	2 ⁷ / ₃₂ x 4 ³ / ₁₆ x 5 ³ / ₁₆	64.86
OPR2040B	20	440	2 ⁷ / ₃₂ x 4 ³ / ₁₆ x 3 ³ / ₁₆	36.40
OPR2540	25	440	2 ⁷ / ₃₂ x 4 ³ / ₁₆ x 3 ³ / ₄	47.04
OPR3040	30	440	2 ⁷ / ₃₂ x 4 ³ / ₁₆ x 4 ³ / ₁₆	54.11
OPR3540	35	440	2 ⁷ / ₃₂ x 4 ³ / ₁₆ x 4 ²¹ / ₃₂	59.86
OPR4040	40	440	2 ⁷ / ₃₂ x 4 ³ / ₁₆ x 6 ¹ / ₄	65.09
OPR4540	45	440	2 ⁷ / ₃₂ x 4 ³ / ₁₆ x 6 ¹ / ₂	73.31
OPR5040	50	440	3 ³ / ₄ x 4 ³ / ₁₆ x 5 ⁷ / ₈	76.13
OPR5040B	50	440	2 ⁷ / ₃₂ x 4 ³ / ₁₆ x 6 ³ / ₄	76.13
OPR5540	55	440	2 ⁷ / ₃₂ x 4 ³ / ₁₆ x 7 ¹ / ₂	81.19
OPR6040	60	440	3 ³ / ₄ x 4 ³ / ₁₆ x 6 ¹ / ₂	86.02



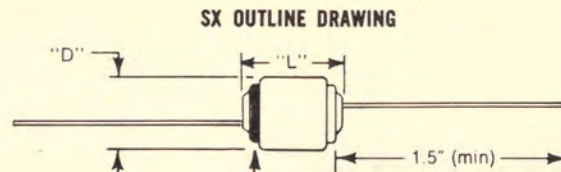
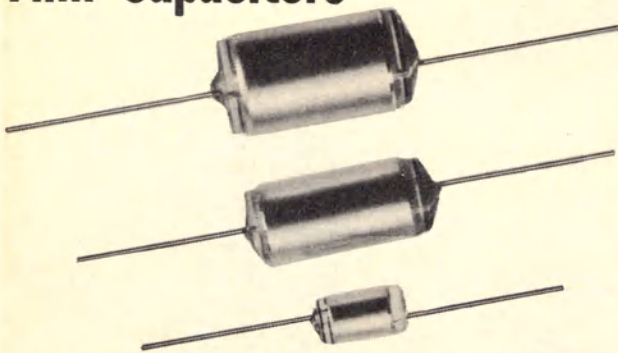
ROUND TYPE RP — CONTINUOUS DUTY

Catalog No.	Cap., mfd	Volts AC	Size, In. Dia. x Lg.	List Each
RP3303	3	330	2 x $1\frac{1}{4}$	\$ 8.58
RP3304	4	330	2 x $2\frac{1}{16}$	8.58
RP3305	5	330	2 x $2\frac{1}{16}$	9.20
RP3306	6	330	2 x $2\frac{7}{8}$	10.24
RP3307	7	330	2 x $3\frac{1}{8}$	10.75
RP3308	8	330	2 x $3\frac{1}{8}$	13.57
RP3310	10	330	$2\frac{1}{2}$ x $3\frac{1}{8}$	14.66
RP3312	12	330	$2\frac{1}{2}$ x $3\frac{1}{2}$	17.48

ACR15K 15000 OHM 2 watt resistor. Supplied with $1\frac{1}{2}$ inch wire for easy soldering to motor start terminals. Protects relay contacts. Reduces braking action of motor coasting to a stop. Reduces shock hazard. Packaged 5 per box list \$1.25.

For AC Motor Capacitor Hardware and Data see pages 37 and 38.

Film Capacitors



VOLTAGE INDICATOR BAND, applicable where voltage not stated on capacitor body.

Yellow Band=63 volts; Red Band=160 volts
Black Band=630 volts

POLYSTYRENE CAPACITORS

Manufactured from a unique form of stretched and fused polystyrene to provide the ultimate in temperature stability and humidity protection. Can replace mica, film, paper and ceramic types in most applications. **Insulation Resistance:** SXL types greater than 100 megohms; SXM and SX types greater than 100,000 megohms. **Power Factor:** Less than 0.05%. **Dielectric absorption:** Less than .02%. **Temperature Coefficient:** -150ppm/°C, ±50 ppm/°C. **Temperature Range:** -40°C to +85°C; for best operating stability, -25°C to +70°C. **Tolerance:** SX types ±1 pF values 5-18 pF; all others ±5%; SXL and SXM types ±2.5%. Ask for Bulletin 9-370 for complete specifications.

RATED VOLTAGE @ +40°C, 63 WVDC
RATED VOLTAGE @ +85°C, 50 WVDC

Mallory No.	Cap., pF	Max. Size, In. Dia. x Lg.	Net Each
SXL111	11,000	.303 x .867	\$0.28
SXL112	12,000	.303 x .867	.28
SXL113	13,000	.315 x .867	.28
SXL115	15,000	.323 x .867	.28
SXL116	16,000	.330 x .867	.33
SXL118	18,000	.346 x .867	.33
SXL120	20,000	.358 x .867	.33
SXL122	22,000	.378 x .867	.33
SXL124	24,000	.388 x .867	.40
SXL133	33,000	.484 x .886	.48
SXL136	36,000	.484 x .886	.48
SXL139	39,000	.484 x .886	.48
SXL156	56,000	.451 x 1.300	.57
SXL162	62,000	.473 x 1.300	.57
SXL168	68,000	.473 x 1.300	.57
SXL182	82,000	.528 x 1.300	.73

RATED VOLTAGE @ +40°C, 160 WVDC
RATED VOLTAGE @ +85°C, 125 WVDC

Mallory No.	Cap., pF	Max. Size, In. Dia. x Lg.	Net Each
SXM330	300	.185 x .315	\$0.20
SXM333	330	.189 x .315	.20
SXM336	360	.194 x .315	.20
SXM339	390	.201 x .315	.20
SXM343	430	.204 x .315	.20
SXM347	470	.209 x .315	.20
SXM350	500	.211 x .315	.20
SXM351	510	.213 x .315	.20
SXM356	560	.213 x .315	.19
SXM360	600	.220 x .315	.19
SXM362	620	.222 x .473	.19
SXM368	680	.228 x .473	.19
SXM375	750	.232 x .473	.19
SXM382	820	.236 x .473	.19
SXM391	910	.240 x .473	.19
SXM210	1,000	.244 x .473	.19
SXM211	1,100	.250 x .473	.19
SXM212	1,200	.256 x .473	.19
SXM213	1,300	.262 x .473	.19
SXM215	1,500	.268 x .473	.19
SXM216	1,600	.272 x .473	.19

RATED VOLTAGE @ +40°C, 160 WVDC
RATED VOLTAGE @ +85°C, 125 WVDC

Mallory No.	Cap., pF	Max. Size, In. Dia. x Lg.	Net Each
SXM218	1,800	.280 x .473	\$0.19
SXM220	2,000	.285 x .473	.19
SXM222	2,200	.228 x .670	.19
SXM224	2,400	.236 x .670	.19
SXM227	2,700	.252 x .670	.19
SXM230	3,000	.268 x .670	.19
SXM233	3,300	.280 x .670	.19
SXM236	3,600	.295 x .670	.19
SXM239	3,900	.307 x .670	.18
SXM243	4,300	.324 x .670	.18
SXM247	4,700	.335 x .670	.18
SXM250	5,000	.340 x .670	.18
SXM251	5,100	.310 x .867	.18
SXM256	5,600	.315 x .867	.18
SXM262	6,200	.325 x .867	.18
SXM268	6,800	.335 x .867	.18
SXM275	7,500	.346 x .867	.18
SXM282	8,200	.358 x .867	.18
SXM291	9,100	.370 x .867	.18
SXM110	10,000	.382 x .867	.15
SXM111	11,000	.405 x .867	.29
SXM112	12,000	.417 x .867	.29
SXM113	13,000	.434 x .867	.29
SXM115	15,000	.452 x .867	.29
SXM116	16,000	.422 x 1.260	.33
SXM118	18,000	.429 x 1.260	.33
SXM120	20,000	.440 x 1.260	.33
SXM122	22,000	.465 x 1.260	.33
SXM124	24,000	.485 x 1.260	.41
SXM127	27,000	.509 x .886	.41
SXM133	33,000	.550 x .886	.51
SXM136	36,000	.444 x 1.300	.51
SXM139	39,000	.465 x 1.300	.51
SXM147	47,000	.509 x 1.300	.54
SXM150	50,000	.526 x 1.300	.54
SXM151	51,000	.528 x 1.300	.64
SXM156	56,000	.539 x 1.300	.64
SXM162	62,000	.570 x 1.300	.64
SXM168	68,000	.597 x 1.300	.64
SXM175	75,000	.635 x 1.300	.85
SXM182	82,000	.639 x 1.300	.99
SXM191	91,000	.664 x 1.300	1.10
SXM015	150,000	.801 x 1.740	1.65
SXM022	220,000	.953 x 1.740	2.04
SXM033	330,000	1.126 x 1.740	2.83

RATED VOLTAGE @ +40°C, 630 WVDC
RATED VOLTAGE @ +85°C, 500 WVDC

Mallory No.	Cap., pF	Max. Size, In. Dia. x Lg.	Net Each
SX420	20	.173 x .473	\$0.18
SX422	22	.173 x .473	.18
SX424	24	.173 x .473	.18
SX426	26	.186 x .473	.18
SX427	27	.173 x .473	.18
SX430	30	.173 x .473	.18
SX433	33	.173 x .473	.18
SX436	36	.178 x .473	.18
SX439	39	.181 x .473	.18

RATED VOLTAGE @ +40°C, 630 WVDC
RATED VOLTAGE @ +85°C, 500 WVDC

Mallory No.	Cap., pF	Max. Size, In. Dia. x Lg.	Net Each
SX443	43	.183 x .473	\$0.18
SX447	47	.185 x .473	.18
SX456	56	.189 x .473	.18
SX462	62	.191 x .473	.18
SX468	68	.193 x .473	.18
SX475	75	.195 x .473	.18
SX482	82	.197 x .473	.18
SX491	91	.199 x .473	.18
SX310	100	.201 x .473	.18
SX311	110	.203 x .473	.18
SX312	120	.205 x .473	.18
SX313	130	.207 x .473	.18
SX315	150	.209 x .473	.18
SX316	160	.211 x .473	.18
SX318	180	.213 x .473	.18
SX320	200	.217 x .473	.18
SX322	220	.220 x .473	.18
SX324	240	.222 x .473	.18
SX327	270	.224 x .473	.18
SX330	300	.226 x .473	.18
SX333	330	.228 x .473	.18
SX336	360	.232 x .473	.18
SX339	390	.236 x .473	.18
SX343	430	.242 x .473	.18
SX347	470	.248 x .473	.18
SX351	510	.214 x .670	.18
SX356	560	.217 x .670	.18
SX362	620	.226 x .670	.18
SX368	680	.232 x .670	.18
SX375	750	.244 x .670	.18
SX382	820	.248 x .670	.18
SX391	910	.256 x .670	.18
SX210	1,000	.264 x .670	.18
SX211	1,100	.276 x .670	.21
SX212	1,200	.283 x .670	.21
SX213	1,300	.291 x .670	.21
SX215	1,500	.299 x .670	.21
SX216	1,600	.305 x .670	.21
SX218	1,800	.319 x .670	.21
SX220	2,000	.329 x .670	.21
SX222	2,200	.339 x .670	.21
SX224	2,400	.352 x .670	.21
SX225	2,500	.355 x .670	.21
SX227	2,700	.362 x .670	.21
SX230	3,000	.366 x .670	.21
SX233	3,300	.378 x .867	.25
SX236	3,600	.388 x .867	.25
SX239	3,900	.398 x .867	.25
SX243	4,300	.414 x .867	.25
SX247	4,700	.425 x .867	.25
SX250	5,000	.445 x .867	.25
SX251	5,100	.447 x .867	.31
SX256	5,600	.453 x .867	.31
SX262	6,200	.470 x .867	.31
SX268	6,800	.480 x .867	.31
SX275	7,500	.498 x .867	.31
SX282	8,200	.516 x .867	.31
SX291	9,100	.532 x .867	.31
SX110	10,000	.555 x .867	.31

Type EWF



EWF CAPACITORS MYLAR® WRAP EPOXY END FILLED

Mallory type EWF capacitors have high insulation resistance, good moisture resistance, excellent electrical parameters, low dissipation factor, miniature case sizes and economical prices.

The physical and electrical characteristics of the EWF make it an ideal capacitor for coupling and by-pass applications in color or black and white TV, radio, hi-fi and instrumentation. Its tubular configuration adapts to printed circuit wiring or point to point soldering for normal by-pass coupling.

Type EWF capacitors are made from the finest polyester film available. The outer case is polyester wrapped and end sealed in epoxy resin. The axial centered leads are copper wire with double tinning. **Tolerance:** $\pm 10\%$. EWF capacitors are available from Mallory distributors in quantities from one to full production levels. For detailed information see Mallory Bulletin EWF form 9-645.

Mallory No.	Cap. mfd	Size, in. Dia. x Lg.	Net Each
50 WVDC			
EWF05010	.10	.250 x .812	\$0.40
EWF05015	.15	.285 x .812	.40
EWF05022	.22	.330 x .812	.43
EWF05027	.27	.390 x .812	.47
EWF05033	.33	.400 x .812	.50
EWF05039	.39	.375 x 1.062	.54
EWF05047	.47	.375 x 1.062	.61
EWF05050	.50	.395 x 1.062	.61
EWF05056	.56	.450 x 1.062	.72
EWF05068	.68	.490 x 1.062	.79
EWF05082	.82	.505 x 1.062	.97
EWF0510	1.0	.500 x 1.375	1.08
EWF0520	2.0	.600 x 1.625	1.80
EWF0530	3.0	.730 x 1.625	2.52

100 WVDC			
EWF1A210	.0010	.156 x .500	\$0.32
EWF1A212	.0012	.156 x .500	.32
EWF1A215	.0015	.156 x .500	.32
EWF1A218	.0018	.156 x .500	.32
EWF1A222	.0022	.156 x .500	.32
EWF1A227	.0027	.156 x .500	.32
EWF1A233	.0033	.156 x .500	.32
EWF1A239	.0039	.156 x .500	.32
EWF1A247	.0047	.156 x .500	.32
EWF1A250	.0050	.156 x .500	.32
EWF1A256	.0056	.156 x .500	.32
EWF1A268	.0068	.175 x .500	.32
EWF1A282	.0082	.175 x .500	.32
EWF1A110	.010	.200 x .500	.32
EWF1A112	.012	.215 x .500	.32
EWF1A115	.015	.235 x .500	.32
EWF1A118	.018	.255 x .500	.32
EWF1A122	.022	.275 x .625	.32
EWF1A127	.027	.300 x .625	.32
EWF1A133	.033	.300 x .625	.32
EWF1A139	.039	.245 x .750	.32
EWF1A147	.047	.265 x .750	.32
EWF1A150	.050	.270 x .750	.32
EWF1A156	.056	.270 x .750	.36
EWF1A168	.068	.280 x .750	.36
EWF1A182	.082	.270 x .875	.36
EWF1A010	.10	.290 x .875	.36
EWF1A012	.12	.315 x .875	.36
EWF1A015	.15	.335 x .875	.36
EWF1A018	.18	.350 x 1.000	.36

Mallory No.	Cap. mfd	Size, in. Dia. x Lg.	Net Each
100 WVDC			
EWF1A022	.22	.385 x 1.000	\$0.40
EWF1A027	.27	.380 x 1.125	.43
EWF1A033	.33	.415 x 1.125	.47
EWF1A039	.39	.460 x 1.125	.50
EWF1A047	.47	.475 x 1.250	.54
EWF1A050	.50	.495 x 1.250	.58
EWF1A056	.56	.520 x 1.250	.65
EWF1A068	.68	.570 x 1.250	.72
EWF1A082	.82	.585 x 1.375	.86
EWF1A10	1.0	.625 x 1.500	1.01
EWF1A15	1.5	.770 x 1.750	1.33
EWF1A20	2.0	.955 x 1.750	1.62
EWF1A40	4.0	1.250 x 2.500	2.70

160 WVDC			
EWF1110	.010	.216 x .591	\$0.32
EWF1115	.015	.216 x .591	.32
EWF1122	.022	.216 x .591	.32
EWF1133	.033	.197 x .749	.32
EWF1147	.047	.236 x .749	.32
EWF1168	.068	.295 x .749	.36
EWF1010	.10	.335 x .749	.36
EWF1015	.15	.315 x .985	.36
EWF1022	.22	.374 x .985	.40
EWF1033	.33	.454 x .985	.47
EWF1047	.47	.454 x 1.260	.54

200 WVDC			
EWF2210	.0010	.156 x .500	\$0.32
EWF2215	.0015	.156 x .500	.32
EWF2222	.0022	.156 x .500	.32
EWF2233	.0033	.160 x .500	.32
EWF2247	.0047	.170 x .500	.32
EWF2268	.0068	.200 x .500	.32
EWF2110	.010	.230 x .500	.32
EWF2115	.015	.290 x .500	.32
EWF2122	.022	.275 x .625	.32
EWF2133	.033	.270 x .750	.32
EWF2147	.047	.320 x .750	.32
EWF2168	.068	.350 x .750	.36
EWF2010	.10	.410 x .875	.43
EWF2015	.15	.500 x .875	.43
EWF2022	.22	.500 x 1.125	.47
EWF2033	.33	.550 x 1.125	.54
EWF2047	.47	.600 x 1.250	.61
EWF2068	.68	.650 x 1.625	.72

Mallory No.	Cap. mfd	Size, in. Dia. x Lg.	Net Each
200 WVDC			
EWF210	1.0	.750 x 1.750	\$1.01
EWF220	2.0	.980 x 1.875	1.15

400 WVDC			
EWF4210	.0010	.156 x .625	\$0.36
EWF4222	.0022	.156 x .625	.36
EWF4233	.0033	.190 x .625	.36
EWF4247	.0047	.200 x .625	.36
EWF4268	.0068	.250 x .625	.36
EWF4110	.010	.300 x .625	.36
EWF4115	.015	.300 x .625	.36
EWF4122	.022	.320 x .750	.36
EWF4133	.033	.350 x .875	.36
EWF4147	.047	.400 x .875	.36
EWF4168	.068	.390 x 1.000	.40
EWF4010	.10	.465 x 1.000	.40
EWF4015	.15	.515 x 1.250	.43
EWF4022	.22	.565 x 1.375	.50
EWF4033	.33	.600 x 1.625	.79
EWF4047	.47	.700 x 1.625	.94
EWF4068	.68	.790 x 1.750	1.15
EWF410	1.0	.875 x 2.000	1.37
EWF4125	1.25	.950 x 2.000	1.51
EWF420	2.0	1.250 x 2.250	2.23

600 WVDC			
EWF6210	.0010	.170 x .750	\$0.40
EWF6215	.0015	.170 x .750	.40
EWF6222	.0022	.187 x .750	.40
EWF6233	.0033	.203 x .750	.40
EWF6247	.0047	.234 x .750	.40
EWF6268	.0068	.265 x .750	.40
EWF6110	.010	.290 x .750	.40
EWF6115	.015	.312 x .875	.40
EWF6122	.022	.335 x .875	.40
EWF6133	.033	.350 x 1.000	.40
EWF6147	.047	.415 x 1.000	.40
EWF6168	.068	.500 x 1.000	.43
EWF6010	.10	.520 x 1.375	.54
EWF6015	.15	.625 x 1.375	.54
EWF6022	.22	.660 x 1.625	.65
EWF6033	.33	.687 x 2.000	1.08
EWF6047	.47	.855 x 2.000	1.37
EWF6068	.68	.970 x 2.000	1.84
EWF610	1.0	1.165 x 2.500	2.92
EWF620	2.0	1.460 x 3.000	4.75

PVC CAPACITORS

Mallory No.	Cap.	L	W	TH	Net 1-24
100 VOLT					
PVC1118	.018	.745	.365	.210	\$0.26
PVC1122	.022	.745	.375	.220	.26
PVC1133	.033	.745	.390	.235	.26
PVC114	.04	.745	.410	.245	.31
PVC1147	.047	.745	.410	.250	.31
PVC1156	.056	.745	.430	.275	.32
PVC1168	.068	.745	.425	.270	.35
PVC101	.1	.745	.480	.325	.36
PVC1015	.15	.775	.750	.335	.42
PVC1022	.22	.775	.815	.400	.46
PVC1025	.25	.775	.850	.415	.46
PVC1033	.33	.775	.895	.480	.54
PVC1047	.47	1.150	.825	.410	.61
PVC105	.5	1.150	.835	.415	.61
PVC1068	.68	1.150	.915	.500	.73
PVC11	1.0	1.150	1.005	.590	.97
PVC11P5	1.5	1.675	.803	.743	1.26
PVC12	2.0	1.800	1.044	.984	1.52
200 VOLT					
PVC211	.01	.745	.345	.195	\$0.26
PVC2115	.015	.745	.375	.220	.26
PVC212	.02	.745	.405	.250	.26

PVC DIPPED MYLAR® & MYLAR/PAPER RADIAL-LEAD CAPACITORS

Solid moisture resistant construction: 100 and 200-volt ratings are 100% flat-pressed Mylar dielectric; 400, 600, 1600 and 2000-volt ratings have paper and Mylar dielectric. Dipped epoxy case. End foil swaged over and leads welded plus protected by the epoxy coating; no chance for opens or intermittents. Copperweld leads are double-dip tinned. **Tolerance:** $\pm 10\%$. Request Bulletin 9-213 for complete technical data.

Mallory No.	Cap.	L	W	TH	Net 1-24
200 VOLT					
PVC2122	.022	.745	.405	.250	\$0.26
PVC2133	.033	.745	.415	.260	.26
PVC214	.04	.745	.425	.265	.26
PVC2147	.047	.745	.425	.270	.31
PVC215	.05	.745	.470	.315	.31
PVC2168	.068	.745	.475	.320	.35
PVC201	.1	.775	.765	.350	.36
PVC2015	.15	.775	.835	.420	.42
PVC2022	.22	.775	.915	.500	.46
PVC2025	.25	.775	.940	.520	.50
PVC2033	.33	.775	1.025	.610	.54
PVC2047	.47	1.150	.945	.530	.61
PVC205	.5	1.150	.940	.520	.61

Type PVC

Mallory No.	Cap.	L	W	TH	Net 1-24
200 VOLT					
PVC21	1.0	1.675	.824	.764	\$0.94
PVC22	2.0	2.050	1.024	.919	1.44
400 VOLT					
PVC411	.01	.625	.395	.365	\$0.25
PVC412	.02	.810	.415	.385	.25
PVC4147	.047	1.150	.440	.410	.29
PVC415	.05	1.150	.445	.415	.29
PVC401	.1	1.150	.550	.530	.39
PVC4022	.22	1.577	.633	.615	.51
PVC4025	.25	1.577	.665	.645	.59
PVC4047	.47	1.610	.775	.715	1.07
PVC405	.5	1.612	.790	.730	1.11
600 VOLT					
PVC621	.001	.625	.360	.330	\$0.25
PVC6212	.0012	.625	.370	.340	.25

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Type PVC



Mallory No.	Cap.	L	W	TH	Net 1-24
600 VOLT					
PVC6215	.0015	.625	.375	.345	\$0.25
PVC622	.002	.625	.375	.345	.25
PVC6222	.0022	.625	.380	.350	.25
PVC6225	.0025	.625	.375	.345	.25
PVC6227	.0027	.625	.390	.360	.25
PVC623	.003	.625	.405	.375	.25
PVC6233	.0033	.625	.410	.380	.25
PVC6239	.0039	.625	.415	.385	.25
PVC624	.004	.625	.415	.385	.25
PVC6247	.0047	.625	.400	.370	.25
PVC625	.005	.625	.410	.380	.25
PVC6256	.0056	.625	.450	.420	.25
PVC626	.006	.625	.460	.430	.25
PVC6268	.0068	.625	.475	.445	.25
PVC6275	.0075	.625	.475	.445	.25
PVC628	.008	.625	.480	.450	.25
PVC6282	.0082	.875	.400	.370	.25
PVC611	.01	.875	.415	.385	.25
PVC6112	.012	.875	.440	.410	.25
PVC6115	.015	.875	.460	.430	.25
PVC612	.02	.875	.485	.455	.25
PVC6122	.022	.875	.505	.475	.25
PVC6125	.025	.875	.525	.495	.29

Mallory No.	Cap.	L	W	TH	Net 1-24
600 VOLT					
PVC6127	.027	1.125	.440	.410	\$0.29
PVC613	.03	1.125	.450	.420	.34
PVC6133	.033	1.125	.465	.435	.34
PVC6139	.039	1.125	.490	.460	.34
PVC614	.04	1.125	.495	.465	.36
PVC6147	.047	1.125	.515	.485	.36
PVC615	.05	1.125	.520	.490	.36
PVC6156	.056	1.125	.560	.540	.36
PVC6168	.068	1.307	.580	.560	.42
PVC6182	.082	1.307	.600	.575	.44
PVC601	.1	1.307	.670	.650	.47
PVC6015	.15	1.577	.695	.675	.58
PVC602	.2	1.577	.770	.750	.67
PVC6022	.22	1.577	.795	.775	.73
PVC6025	.25	1.577	.835	.815	.79
PVC6033	.33	1.577	.930	.910	1.00
PVC6047	.47	2.020	.880	.830	1.63
PVC605	.5	2.020	.905	.875	1.64
PVC61	1.0	2.50	1.165	*	3.37
1000 VOLTS					
PVC10010	.1	1.562	.812	.812	\$1.65
PVC10015	.15	1.750	.843	.812	1.65
1600 VOLT					
PVC1621	.001	.875	.395	.365	\$0.29
PVC16215	.0015	.875	.430	.400	.29

* Tubular configuration with axial leads.

Mallory No.	Cap.	L	W	TH	Net 1-24
1600 VOLTS					
PVC16222	.0022	.875	.470	.440	\$0.31
PVC16227	.0027	.875	.495	.465	.31
PVC1623	.003	.875	.515	.485	.34
PVC16233	.0033	.875	.540	.520	.34
PVC1624	.004	.875	.575	.555	.35
PVC16247	.0047	.875	.600	.580	.39
PVC1625	.005	.875	.620	.600	.39
PVC1626	.006	1.150	.510	.480	.39
PVC16256	.0056	1.187	.560	.560	.39
PVC16268	.0068	1.150	.520	.490	.39
PVC1627	.007	1.150	.545	.525	.39
PVC16275	.0075	1.150	.550	.530	.39
PVC1628	.008	1.150	.565	.545	.39
PVC16282	.0082	1.150	.545	.525	.39
PVC1611	.01	1.150	.580	.560	.42
PVC16115	.015	1.307	.615	.595	.42
PVC1612	.02	1.577	.610	.590	.46
PVC16122	.022	1.577	.645	.625	.53
PVC16133	.033	1.577	.750	.730	.59
PVC16147	.047	1.577	.845	.825	.64
PVC1615	.05	1.577	.870	.850	.67
PVC16168	.068	1.577	.985	.965	1.53
2000 VOLT					
PVC2X21	.001	.875	.390	.360	\$0.39
PVC2X256	.0056	1.187	.590	.560	.64
PVC2X268	.0068	1.187	.650	.630	.64

Types M192P, MM and MP



M192P MINIATURE POLYESTER FILM CAPACITORS

Wound with ultra-thin polyester film dielectric and thin gage foil. High quality in a small package. Operating Temp. —55°C to +85°C, may be operated to 125°C with 50% voltage derating. Cap Tol. ±10%.

Part No.	Cap (uf)	D	L	Price
80 WVDC				
M192P2229R8	.0022	0.138	0.312	\$0.54
M192P2729R8	.0027	0.138	0.312	.54
M192P3329R8	.0033	0.138	0.312	.54
M192P3929R8	.0039	0.138	0.312	.54
M192P4729R8	.0047	0.138	0.312	.54
M192P5629R8	.0056	0.170	0.375	.54
M192P6829R8	.0068	0.170	0.375	.54
M192P8229R8	.0082	0.170	0.375	.54
M192P1039R8	.01	0.170	0.375	.48
M192P1239R8	.012	0.170	0.437	.54
M192P1539R8	.015	0.170	0.437	.57
M192P1839R8	.018	0.170	0.500	.57
M192P2239R8	.022	0.170	0.500	.57
M192P2739R8	.027	0.204	0.437	.60
M192P3339R8	.033	0.204	0.437	.60
M192P3939R8	.039	0.204	0.562	.60
M192P4739R8	.047	0.204	0.562	.63
M192P5639R8	.056	0.225	0.562	.63
M192P6839R8	.068	0.225	0.562	.69
M192P8239R8	.082	0.290	0.500	.72
M192P1049R8	.1	0.290	0.500	.72
M192P1249R8	.12	0.290	0.625	.84
M192P1549R8	.15	0.290	0.625	.90
M192P2249R8	.22	0.290	0.625	1.11
M192P2749R8	.27	0.318	0.875	1.17
M192P3349R8	.33	0.318	0.875	1.23
M192P3949R8	.39	0.318	1.187	1.32
200 WVDC				
M192P10192	.0001	0.138	0.312	\$0.45
M192P12192	.00012	0.138	0.312	.45
M192P15192	.00015	0.138	0.312	.45
M192P18192	.00018	0.138	0.312	.45
M192P22192	.00022	0.138	0.312	.45
M192P27192	.00027	0.138	0.312	.45
M192P33192	.00033	0.138	0.312	.45
M192P39192	.00039	0.138	0.312	.45
M192P47192	.00047	0.138	0.312	.45
M192P56192	.00056	0.138	0.312	.42
M192P68192	.00068	0.138	0.312	.42

Part No.	Cap (uf)	D	L	Price
200 WVDC				
M192P82192	.00082	0.138	0.312	\$0.42
M192P10292	.001	0.138	0.312	.36
M192P12292	.0012	0.138	0.312	.36
M192P15292	.0015	0.138	0.312	.36
M192P18292	.0018	0.170	0.312	.36
M192P22292	.0022	0.170	0.312	.36
M192P27292	.0027	0.170	0.312	.36
M192P33292	.0033	0.170	0.312	.36
M192P39292	.0039	0.170	0.437	.36
M192P47292	.0047	0.170	0.437	.39
M192P56292	.0056	0.170	0.437	.39
M192P68292	.0068	0.170	0.437	.39
M192P82292	.0082	0.170	0.500	.39
M192P10392	.01	0.170	0.500	.42
M192P12392	.012	0.204	0.437	.42
M192P15392	.015	0.204	0.437	.42
M192P18392	.018	0.204	0.562	.42
M192P22392	.022	0.204	0.562	.45
M192P27392	.027	0.225	0.562	.45
M192P33392	.033	0.225	0.562	.48
M192P39392	.039	0.290	0.500	.51
M192P47392	.047	0.290	0.500	.54
M192P56392	.056	0.290	0.625	.57
M192P68392	.068	0.290	0.625	.60
M192P82392	.082	0.318	0.625	.63
M192P10492	.1	0.318	0.625	.63
M192P12492	.12	0.318	0.875	.69
M192P15492	.15	0.318	0.875	.78
M192P18492	.18	0.318	1.187	.81
M192P22492	.22	0.318	1.187	.90
400 WVDC				
M192P47194	.00047	0.170	0.375	\$0.45
M192P56194	.00056	0.170	0.375	.45
M192P68194	.00068	0.170	0.375	.45
M192P82194	.00082	0.170	0.375	.45
M192P10294	.001	0.170	0.375	.45
M192P12294	.0012	0.170	0.375	.45
M192P15294	.0015	0.170	0.375	.45
M192P18294	.0018	0.170	0.437	.48
M192P22294	.0022	0.170	0.437	.48
M192P27294	.0027	0.204	0.437	.48
M192P33294	.0033	0.204	0.437	.48
M192P39294	.0039	0.204	0.437	.48
M192P47294	.0047	0.204	0.437	.48
M192P56294	.0056	0.225	0.562	.48
M192P68294	.0068	0.225	0.562	.48
M192P82294	.0082	0.225	0.562	.48
M192P10394	.01	0.225	0.562	.48
M192P12394	.012	0.290	0.500	.51
M192P15394	.015	0.290	0.500	.54

Part No.	Cap (uf)	D	L	Price
400 WVDC				
M192P18394	.018	0.290	0.625	\$0.57
M192P22394	.022	0.290	0.625	.57
M192P27394	.027	0.318	0.625	.60
M192P33394	.033	0.318	0.625	.63
M192P39394	.039	0.318	0.875	.69
M192P47394	.047	0.318	0.875	.72
M192P56394	.056	0.318	1.187	.75
M192P68394	.068	0.318	1.187	.75

Types MM AND MP

Type MM Polycarbonate and Type MP Polypropylene Capacitors are designed for high surge current applications without overheating. Conventional type bypass capacitors would be destroyed in these applications. Commutating or S shaping requirements such as found in Horizontal and Vertical Deflection circuits of Color TV sets are typical of those requiring the Type MM or MP capacitor. Both types are coated with a flame retardant epoxy.

TYPE MM—POLYCARBONATE CAPACITORS

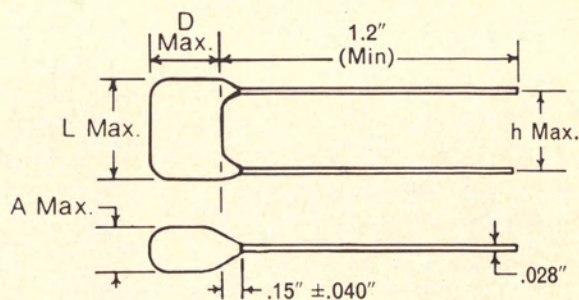
Part No.	Cap (uf)	D	L	Price
100 WVDC				
MM11P75	1.75	.900	1.000	\$4.02
150 WVDC				
MM1A1P5	1.5	.800	.937	3.60

TYPE MP—POLYPROPYLENE CAPACITORS

400 WVDC				
MP411	.01	.400	.750	\$0.33
MP4115	.015	.450	.750	.36
MP4133	.033	.500	.950	.45
MP416	.06	.550	1.3	.54
MP4181	.081	.600	1.3	1.92
MP402	.2	.700	1.7	.84
600 WVDC				
MP6218	.0018	.400	.750	\$0.33
MP6222	.0022	.400	.750	.33
MP6239	.0039	.450	.950	.30
MP611	.01	.450	.950	.45
MP6166	.066	.450	1.3	1.11
MP6175	.075	.750	1.3	.78
800 WVDC				
MP8122	.022	.600	1.30	\$1.05
MP8147	.047	.700	1.7	1.29
MP8151	.051	.800	1.7	2.01
1600 WVDC				
MP16218	.0018	.500	1.30	\$0.51
MP1622	.002	.500	1.30	.51
MP16233	.0033	.550	1.30	.57
MP16239	.0039	.600	1.30	.60

Type EPM-EMM

EPM - EMM OUTLINE DRAWING



The new Mallory type EPM-EMM capacitors are encapsulated in a solid moisture resistance coating. Polyester dielectric material is used in the type EPM and Metallized Polyester is used in the EMM. Non-inductive wound. Tinned copper radial leads offer excellent possibilities in printed circuit applications but can also be bent in any configuration for point to point soldering. Low dissipation factor and small size makes this type of capacitors especially adaptable to all electronic circuit applications calling for bypass and coupling.

100 VOLT

Mallory No.	Cap (uF)	SIZE INCHES				Net Each
		A Max.	D Max.	L Max.	h Max.	
EPM1118	.018	.30	.53	.57	.44	\$0.23
EPM1122	.022	.30	.53	.57	.44	.28
EMM1147	.047	.26	.41	.55	.44	.28
EMM101	.1	.30	.49	.55	.44	.35
EMM1015	.15	.28	.46	.75	.63	.54
EMM1022	.22	.32	.49	.75	.63	.59
EMM1033	.33	.38	.55	.75	.63	.68
EMM1047	.47	.32	.61	1.06	.93	.73

200 VOLT

EPM211	.01	.30	.51	.57	.44	\$0.28
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250 VOLT

EMM2122	.022	.30	.53	.57	.44	\$0.25
EMM2133	.033	.24	.39	.55	.44	.28
EMM2147	.047	.26	.42	.55	.44	.28
EMM215	.050	.26	.42	.55	.44	.28
EMM201	.1	.30	.49	.55	.44	.30
EMM2022	.22	.32	.49	.75	.63	.59
EMM2033	.33	.38	.55	.75	.63	.68
EMM2047	.47	.32	.61	1.06	.93	.73
EMM205	.50	.34	.65	1.06	.93	.97

400 VOLT

EPM411	.01	.30	.55	.57	.44	\$0.25
EMM415	.05	.24	.40	.75	.63	.31
EMM401	.1	.28	.46	.75	.63	.38
EMM4022	.22	.30	.55	1.06	.93	.63

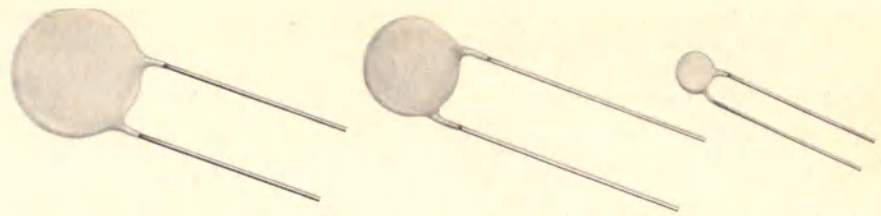
600 VOLT

EPM621	.001	.26	.49	.57	.44	\$0.25
EPM622	.002	.26	.49	.57	.44	.25
EPM6222	.0022	.26	.49	.57	.44	.25
EPM6233	.0033	.28	.51	.57	.44	.25
EPM6239	.0039	.28	.51	.57	.44	.34
EPM6247	.0047	.28	.51	.57	.44	.28
EPM6256	.0056	.28	.51	.57	.44	.25
EPM6268	.0068	.32	.53	.57	.44	.25

630 VOLT

EMM611	.01	.26	.47	.55	.44	\$0.28
EMM6115	.015	.26	.51	.55	.44	.28
EMM612	.02	.37	.49	.55	.44	.28
EMM6122	.022	.37	.49	.55	.44	.28
EMM6133	.033	.30	.46	.75	.63	.32
EMM6147	.047	.34	.49	.75	.63	.38
EMM615	.05	.36	.51	.75	.63	.40
EMM6168	.068	.40	.53	.75	.63	.42
EMM601	.1	.45	.59	.75	.63	.54
EMM6022	.22	.45	.71	1.06	.93	.97
EMM6039	.39	.51	.79	1.26	1.12	1.15
EMM6047	.47	.55	.83	1.26	1.12	1.51

Ceramic Capacitors



LOW VOLTAGE RMC-MAGNACAPS®

For low-voltage transistor circuits; rated 3, 12, 25 & 50 WVDC. Tol.: $\pm 20\%$. Power Factor: 3% at 3 WVDC; 5% at 12 to 50 WVDC. Temp. Coef.: 3V units, X5S: $\pm 22\%$. All others, X5U: $+22\%$, -56% . Temp. Range: -55°C to $+85^\circ\text{C}$.

Mallory No.	Cap., mfd	WV DC	IR* Ohms	±Dia., In.	Net Each
MAG301	.1	3	40K	.290	53¢
MAG3022	.22	3	18K	.310	30¢
MAG3033	.33	3	12.5K	.425	38¢
MAG3047	.47	3	9K	.425	30¢
MAG3068	.68	3	6K	.550	41¢
MAG31	1.0	3	4K	.615	45¢
MAG32P2	2.2	3	1820	.880	53¢
MAG1215	.05	12	800K	.290	23¢
MAG1201	.1	12	400K	.400	23¢
MAG12015	.15	12	280K	.480	28¢
MAG12022	.22	12	180K	.550	30¢
MAG12033	.33	12	120K	.775	41¢
MAG12047	.47	12	85K	.840	53¢
MAG1611	.01	16	10 meg	.265	17¢
MAG16115	.015	16	10 meg	.290	17¢
MAG1612	.02	16	10 meg	.340	17¢
MAG16133	.033	16	10 meg	.400	19¢
MAG1615	.05	16	10 meg	.480	19¢
MAG16168	.068	16	10 meg	.550	23¢
MAG1601	.10	16	10 meg	.650	23¢
MAG16015	.15	16	10 meg	.775	33¢
MAG16022	.22	16	10 meg	.910	38¢
MAG2511	.01	25	10 meg	.265	23¢
MAG25115	.015	25	10 meg	.290	19¢
MAG2512	.02	25	10 meg	.340	23¢
MAG25133	.033	25	10 meg	.400	23¢
MAG2515	.05	25	10 meg	.480	30¢
MAG25168	.068	25	10 meg	.550	28¢
MAG2501	.10	25	10 meg	.650	45¢
MAG25015	.15	25	10 meg	.775	38¢
MAG25022	.22	25	10 meg	.910	50¢
MAG5011	.01	50	10 meg	.290	23¢
MAG50115	.015	50	10 meg	.290	23¢
MAG5012	.02	50	10 meg	.340	23¢
MAG50133	.033	50	10 meg	.400	26¢
MAG5015	.05	50	10 meg	.480	28¢
MAG50168	.068	50	10 meg	.550	38¢
MAG5001	.10	50	10 meg	.650	41¢

*Insulation resistance at rated voltage.

†Max. Dia.

®P. R. Mallory & Co. Inc. trademark.

MINIATURE 100 VOLTS

High capacity miniatures rated 100 WVDC; flash, 200 VDC. Tol.: -20% , $+80\%$. Power Factor: 3% max. at 1 kHz. Insul. Resis., 7500 megohms min. Temp. Coef.: Z5V: $+22\%$, -82% . Temp. Range: $+10^\circ\text{C}$ to $+85^\circ\text{C}$.

Mallory No.	Cap., mfd	Net Each	Mallory No.	Cap., mfd	Net Each
TA250*	.005	14¢	TA125†	.025	23¢
TA110*	.01	14¢	TA150†	.05	26¢
TA120†	.02	23¢	TA010†	.1	66¢

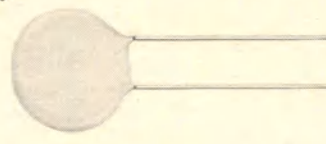
Dia.: $\frac{1}{32}$ " to $\frac{1}{8}$ ".

GENERAL PURPOSE 1000 VOLTS

Rated 1000 WVDC except 30K, 40K and 50K uF units, 500 WVDC. Tolerance: GP533 and GP550, $\pm 25\%$ pF; GP568 and GP580, $\pm 5\%$; GP410 through GP222, $\pm 10\%$; all others $\pm 20\%$.

Mallory No.	Cap., pF	Net Each	Mallory No.	Cap., pF	Net Each
GP533*	3.3	14¢	GP336*	360	14¢
GP550*	5.0	14¢	GP339*	390	14¢
GP568*	6.8	14¢	GP340*	400	14¢
GP580*	8.0	14¢	GP347*	470	14¢
GP410*	10	14¢	GP350*	500	14¢
GP412*	12	14¢	GP356*	560	14¢
GP415*	15	14¢	GP360*	600	14¢
GP418*	18	14¢	GP368*	680	14¢
GP420*	20	14¢	GP375†	750	14¢
GP422*	22	14¢	GP382†	820	14¢
GP425*	25	14¢	GP210†	1000	14¢
GP427*	27	14¢	GP212†	1200	14¢
GP430*	30	14¢	GP215†	1500	14¢
GP433*	33	14¢	GP216†	1600	14¢
GP439*	39	14¢	GP218†	1800	14¢
GP447*	47	14¢	GP220†	2000	14¢
GP450*	50	14¢	GP222†	2200	14¢
GP456*	56	14¢	GP225†	2500	14¢
GP468*	68	14¢	GP227†	2700	14¢
GP475*	75	14¢	GP230†	3000	14¢
GP482*	82	14¢	GP233†	3300	14¢
GP491*	91	14¢	GP239†	3900	14¢
GP310*	100	14¢	GP240†	4000	14¢
GP312*	120	14¢	GP243†	4300	14¢
GP313*	130	14¢	GP247†	4700	14¢
GP315*	150	14¢	GP250†	5000	14¢
GP318*	180	14¢	GP256†	5600	19¢
GP320*	200	14¢	GP268†	6800	19¢
GP322*	220	14¢	GP275§	7500	19¢
GP324*	240	14¢	GP110●	10K	19¢
GP325*	250	14¢	GP115●	15K	19¢
GP327*	270	14¢	GP120●	20K	26¢
GP330*	300	14¢	GP130■	30K	34¢
GP333*	330	14¢	GP140■	40K	43¢
GP335*	350	14¢	GP150■	50K	45¢

Max. Dia.: $\frac{1}{32}$ " to $\frac{1}{8}$ ".



MINIATURE 500 VOLTS

Miniature bypass types rated 500 WVDC; flash 1250 VDC. Tol.: $\pm 20\%$, except SM210, which is $\pm 5\%$. Power Factor: 1.5% max. at 1 kHz. Insul. Resis.: 7500 megohms min. Temp. Coef.: Z5U ($+22\%$, -56%); Temp. Range: $+10^\circ\text{C}$ to $+85^\circ\text{C}$. Lead Spacing: $\frac{1}{2}$ " disc sizes have .375"; Disc sizes under $\frac{1}{2}$ " have .250", except SM210 which is .150".

Mallory No.	Cap., mfd	Net Each	Mallory No.	Cap., mfd	Net Each
SM210*	.001	11¢	SM110†	.01	14¢
SM215†	.0015	11¢	SM120■	.02	19¢
SM250†	.005	11¢			

Dia.: $\frac{1}{4}$ " to $\frac{1}{8}$ ".

◆ Guaranteed Minimum Value.

Lead spacing for types (MAG; GP; TA; CN; JF; JL; B;): All Disc sizes under $\frac{1}{2}$ " have .250"; Disc sizes $\frac{1}{2}$ " and over have .375"; except where otherwise stated.

TEMPERATURE COMPENSATING

Stocked in NPO (CNO), and N1500 N750 (CN7) values. Others, from P100 to N5200 available. Rated 1000 WVDC; 2000 VDC flash. Tol.: 1-4.7 pF, $\pm 0.25\%$ pF; all others, $\pm 5\%$. Power Factor: 0.1% max. at 1 MHz. Insul. Resis.: 7500 megohms min. Temp. Coef.: NPO, N750 and N1500. Temp. Range: -55°C to $+85^\circ\text{C}$.

NPO TYPE

Mallory No.	Cap., pF	Net Each	Mallory No.	Cap., pF	Net Each
CN0510*	1	14¢	CN0427†	27	14¢
CN0515*	1.5	14¢	CN0433†	33	14¢
CN0522*	2.2	14¢	CN0439†	39	19¢
CN0533*	3.3	14¢	CN0447†	47	19¢
CN0547*	4.7	14¢	CN0450†	50	19¢
CN0568*	6.8	14¢	CN0456†	56	19¢
CN0410*	10	14¢	CN0468†	68	19¢
CN0412*	12	14¢	CN0475§	75	19¢
CN0415*	15	14¢	CN0482§	82	19¢
CN0418†	18	14¢	CN0310#	100	19¢
CN0420†	20	14¢	CN0312●	120	19¢
CN0422†	22	14¢	CN0315●	150	19¢
CN0425†	25	14¢			

TYPE N750

Mallory No.	Cap., pF	Net Each	Mallory No.	Cap., pF	Net Each
CN7522*	2.2	14¢	CN7433†	33	14¢
CN7533*	3.3	14¢	CN7439†	39	14¢
CN7547*	4.7	14¢	CN7447†	47	14¢
CN7550*	5	14¢	CN7468†	68	14¢
CN7568*	6.8	14¢	CN7482†	82	19¢
CN7410*	10	14¢	CN7310†	100	19¢
CN7412*	12	14¢	CN7315§	150	19¢
CN7415*	15	14¢	CN7322#	220	19¢
CN7420*	20	14¢	CN7327#	270	19¢
CN7422*	22	14¢	CN7333●	330	19¢
CN7427*	27	14¢			

Dia.: $\frac{1}{32}$ " to $\frac{1}{8}$ ".

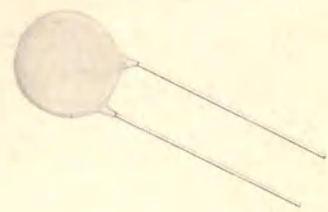
TYPE N-1500

Mallory No.	Cap., pF	Net Each	Mallory No.	Cap., pF	Net Each
CN15-410*	10	14¢	CN15-468*	68	14¢
CN15-412*	12	14¢	CN15-482†	82	19¢
CN15-415*	15	14¢	CN15-310†	100	19¢
CN15-418*	18	14¢	CN15-311†	110	19¢
CN15-422*	22	14¢	CN15-312†	120	19¢
CN15-427*	27	14¢	CN15-322†	220	19¢
CN15-430*	30	14¢	CN15-327†	270	19¢
CN15-439*	39	14¢	CN15-339†	390	19¢
CN15-447*	47	14¢	CN15-347†	470	19¢
CN15-450*	50	14¢	CN15-356●	560	19¢

Dia.: $\frac{1}{32}$ " to $\frac{1}{8}$ ".

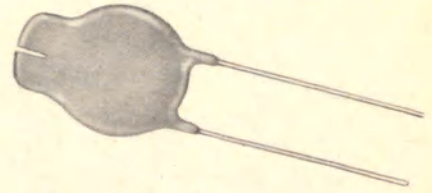
Cap. Tol.: 5%. Rated 1000 WVDC. IR greater than 7500 megohms @ 500 VDC. TG: N1500.

Flash Test: 2000 VDC for 1 sec. IR after humidity. Greater than 1000 megohms @ 500 VDC. Body insulation Durez phenolic. Vacuum: wax impregnated.



CONTINUED →

Ceramic Capacitors



TEMPERATURE STABLE

Extreme temperature stability for filter networks. Rated 1000 WVDC; 2000 VDC flash. Tol.: $\pm 10\%$. Power Factor: 1.5% max. at 1 kHz. Insul. Resis.: 7500 megohms min. Temp. Coef.: X5F $\pm 7.5\%$. Temp. Range: -55°C to $+105^\circ\text{C}$.

Mallory No.	Cap., pF	Net Each	Mallory No.	Cap., pF	Net Each
JL310*	100	19¢	JL212‡	1200	19¢
JL315*	150	19¢	JL215‡	1500	19¢
JL322*	220	19¢	JL218‡	1800	19¢
JL333*	330	19¢	JL220§	2000	23¢
JL347†	470	19¢	JL222§	2200	23¢
JL356†	560	19¢	JL233#	3300	26¢
JL368†	680	19¢	JL239#	3900	26¢
JL375†	750	19¢	JL247●	4700	34¢
JL382†	820	19¢	JL250●	5000	34¢
JL210‡	1000	19¢			

Dia.: * $\frac{3}{32}$ "; $\frac{1}{8}$ "; $\frac{1}{16}$ "; $\frac{1}{32}$ "; $\frac{5}{16}$ "; $\frac{3}{4}$ "; $\frac{1}{2}$ ".

FREQUENCY STABLE

Capacitance changes less than 10% from 100 Hz to 100 MHz. Rated 1000 WVDC; 2000 VDC flash. Tol.: $\pm 10\%$. Power Factor: 1.5% max. at 1 kHz. Insul. Resis.: 7500 megohms min. Temp. Coef.: Z5F ($\pm 7.5\%$). Temp. Range: $+10^\circ\text{C}$ to $+85^\circ\text{C}$.

Mallory No.	Cap., pF	Net Each	Mallory No.	Cap., pF	Net Each
JF482*	82	14¢	JF210†	1000	14¢
JF310*	100	14¢	JF212‡	1200	14¢
JF312*	120	14¢	JF215‡	1500	14¢
JF315*	150	14¢	JF218‡	1800	14¢
JF322*	220	14¢	JF220‡	2000	14¢
JF333*	330	14¢	JF222‡	2200	14¢
JF347*	470	14¢	JF233■	3300	14¢
JF350*	500	14¢	JF239■	3900	14¢
JF356*	560	14¢	JF247#	4700	19¢
JF368*	680	14¢	JF250#	5000	19¢
JF375†	750	14¢	JF268▲	6800	19¢
JF382†	820	14¢	JF110●§	10K	19¢

Dia.: * $\frac{3}{32}$ "; $\frac{1}{8}$ "; $\frac{1}{16}$ "; $\frac{1}{32}$ "; $\frac{5}{16}$ "; $\frac{3}{4}$ "; $\frac{1}{2}$ ".
▲ $\frac{1}{16}$ "; ● $\frac{1}{8}$ "; §500 WVDC.

AC LINE

U/L recognized for AC line bypass and across the line applications. Rated 150 V rms at 60 Hz. Tol.: $\pm 20\%$. Insul. Resis.: 7500 megohms min. Temp. Coef.: Z5U ($+22\%$, -56%). Temp. Range: $+10^\circ\text{C}$ to $+85^\circ\text{C}$.

Mallory No.	Cap., pF	Lead Spacing	Net Each
UAC210†	1000	.375"	30¢
UAC250‡	5000	.375"	30¢
UAC110§	10K	.500"	30¢

Dia.: † $\frac{3}{32}$ "; ‡ $\frac{1}{8}$ "; § $\frac{1}{4}$ ".

HIGH VOLTAGE

High voltage DISCAPS for low frequency use. Rated voltage as listed below; flash is two times rated voltage. Tol.: $\pm 20\%$. Power Factor: 1.5% max. at 1 kHz. Insul. Resis.: 7500 megohms min. Temp. Coef.: Z5U: $+22\%$, -56% . Temp. Range: -35°C to $+85^\circ\text{C}$. Lead Spacing: 2HV210 is .375"; All other HV types are .500". Not for deflection yoke use.

2000 WVDC

Mallory No.	Cap., pF	Net Each	Mallory No.	Cap., pF	Net Each
2HV210§	1000	23¢	2HV110◆	10K	30¢

3000 WVDC

Mallory No.	Cap., pF	Net Each	Mallory No.	Cap., pF	Net Each
3HV322#	220	23¢	3HV210■	1000	23¢
3HV327#	270	23¢	3HV212■	1200	30¢
3HV333#	330	30¢	3HV215■	1500	30¢
3HV347#	470	30¢	3HV218■	1800	30¢
3HV356§	560	38¢	3HV222■	2200	30¢
3HV368§	680	23¢	3HV233▲	3300	30¢
3HV375■	750	23¢	3HV239▲	3900	30¢
3HV382■	820	23¢	3HV247◆	4700	30¢

6000 WVDC

Mallory No.	Cap., pF	Net Each	Mallory No.	Cap., pF	Net Each
6HV310§	100	45¢	6HV339†	390	45¢
6HV312§	120	45¢	6HV347†	470	45¢
6HV313§	130	45¢	6HV356†	560	45¢
6HV315§	150	45¢	6HV368‡	680	45¢
6HV322§	220	45¢	6HV375‡	750	45¢
6HV327§	270	45¢	6HV382‡	820	45¢
6HV333‡	330	45¢	6HV210◆	1000	60¢

Dia.: $\frac{1}{16}$ "; $\frac{1}{8}$ "; $\frac{1}{4}$ "; $\frac{1}{2}$ "; $\frac{3}{4}$ "; $\frac{1}{1}$ ".
‡1.0"; ◆ $\frac{1}{8}$ ".

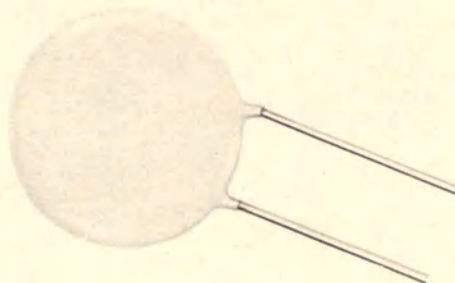
HEAVY-DUTY BYPASS

High reliability; rated 1000 WVDC for bypass and audio coupling; 2000 VDC flash. Tol.: GMV◆ except B120, -20% , $+80\%$. Power Factor: 1.5% max. at 1 kHz. Insul. Resis.: 7500 megohms min. Temp. Coef.: X5U: $+22\%$, -56% . Temp. Range: $+10^\circ\text{C}$ to $+85^\circ\text{C}$.

Mallory No.	Cap., pF	Net Each	Mallory No.	Cap., pF	Net Each
B315*	150	14¢	B222†	2200	14¢
B347*	470	14¢	B240§	4000	14¢
B210*	1000	14¢	B250§	5000	14¢
B212*	1200	14¢	B110●	10K	14¢
B220†	2000	14¢	B120●	20K	26¢

Dia.: * $\frac{3}{32}$ "; $\frac{1}{8}$ "; $\frac{1}{4}$ "; $\frac{1}{2}$ ".

◆ Guaranteed Minimum Value.



SPARKCAP* CAPACITORS

Provide circuit protection in color TV high voltage circuits.

Mallory No.	Cap.	WVDC	Lead Spacing	Dia., In.	Net Each
SPG2	0.75pF*	1-2kV	.250"	.35	23¢
SPG3	0.75pF*	2-3kV	.250"	.35	23¢
SPG113	.01mfd	2-3kV	.375"	.75	45¢

* Mallory trademark.

* Inherent capacity of gap only. No parallel capacitor used.

DEFLECTION YOKE

Made especially for 15,750 Hz deflection yoke use. Voltage as listed below; flash is two times rated voltage. Tol.: $\pm 10\%$. Power Factor: 1.5% max. at 1 kHz. Insul. Resis.: 7500 megohms min. Temp. Range: -35°C to $+85^\circ\text{C}$. Temp. Coef.: N1500; Lead Spacing: is .375" on disc sizes thru $\frac{3}{32}$ "; All others are .500".

3000 WVDC

Mallory No.	Cap., pF	Net Each	Mallory No.	Cap., pF	Net Each
3DY415*	15	26¢	3DY312‡	120	26¢
3DY422*	22	26¢	3DY313‡	135	26¢
3DY427*	27	26¢	3DY315‡	150	26¢
3DY433*	33	26¢	3DY318#	180	26¢
3DY439*	39	26¢	3DY320#	200	30¢
3DY447*	47	26¢	3DY322#	220	30¢
3DY456*	56	26¢	3DY327●	270	34¢
3DY468†	68	26¢	3DY333●	330	34¢
3DY482†	82	26¢	3DY339●	390	34¢
3DY310†	100	26¢			

5000 WVDC

Mallory No.	Cap., pF	Net Each	Mallory No.	Cap., pF	Net Each
5DY427*	27	34¢	5DY310#	100	50¢
5DY433*	33	34¢	5DY315●	150	50¢
5DY447†	47	38¢	5DY318●	180	50¢
5DY468‡	68	38¢	5DY320●	200	50¢
5DY482‡	82	38¢			

6000 WVDC

Mallory No.	Cap., pF	Net Each	Mallory No.	Cap., pF	Net Each
6DY415*	15	45¢	6DY468#	68	45¢
6DY422*	22	45¢	6DY482§	82	45¢
6DY427†	27	45¢	6DY310§	100	57¢
6DY433†	33	45¢	6DY313●	130	57¢
6DY439†	39	45¢	6DY315●	150	57¢
6DY447‡	47	45¢	6DY318●	180	57¢
6DY456‡	56	45¢			

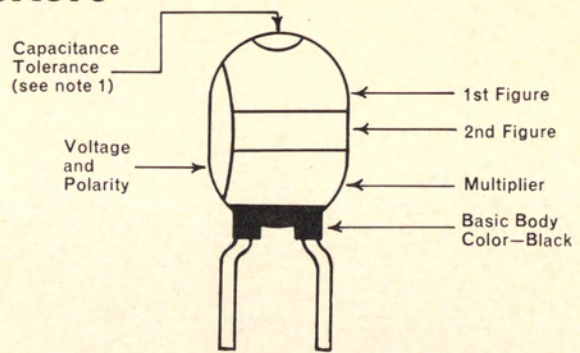
Dia.: * $\frac{1}{32}$ "; $\frac{1}{16}$ "; $\frac{1}{8}$ "; $\frac{1}{4}$ "; $\frac{1}{2}$ "; $\frac{3}{4}$ "; $\frac{1}{1}$ ".
● $\frac{1}{32}$ ".

Epoxy Dipped Solid Tantalum Capacitors

MARKING

Color Code System

COLOR	+85°C Voltage	Capacitance in PicoFarads		Multiplier
		1st Figure	2nd Figure	
Black	4	0	0	—
Brown	6	1	1	—
Red	10	2	2	—
Orange	15	3	3	—
Yellow	20	4	4	$\times 10^4$
Green	25	5	5	$\times 10^5$
Blue	35	6	6	$\times 10^6$
Violet	50	7	7	$\times 10^7$
Gray	—	8	8	—
White	—	9	9	—



Note 1: For $\pm 20\%$ tolerance — No dot
For $\pm 10\%$ tolerance — Silver dot
For $\pm 5\%$ tolerance — Gold dot

SIZES AND CONFIGURATIONS

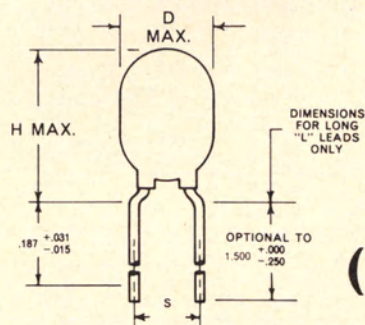


FIG. II
(E, F, G, & H Case Size)
.250 Lead Spacing

CASE SIZE	DIMENSIONS IN INCHES MAXIMUM		LEAD DIAMETER IN INCHES ($\pm .002$)	S LEAD SPACING ($\pm .015$)
	D (Diameter)	H (Height)		
E	0.175	0.350	0.020	0.250 (Fig. II)
F	0.250	0.500	0.020	0.250 (Fig. II)
G	0.350	0.650	0.025	0.250 (Fig. II)
H	0.400	0.750	0.025	0.250 (Fig. II)

DIPPED TANTALUM CAPACITORS TYPE TDC

TOLERANCE $\pm 20\%$ (Standard)

Mallory Number	Cap. MFD	WVDC @ +85°C	Case Size	Net Price (1-24)
TDC685M006EL	6.8	6	E	\$0.74
TDC476M006FL	47	6	F	.97
TDC157M006GL	150	6	G	2.37
TDC337M006HL	330	6	H	3.90
TDC475M010EL	4.7	10	E	.74
TDC336M010FL	33	10	F	.97
TDC107M010GL	100	10	G	2.37
TDC227M010HL	220	10	H	3.90
TDC335M015EL	3.3	15	E	.74
TDC226M015FL	22	15	F	.97
TDC686M015GL	68	15	G	2.37
TDC157M015HL	150	15	H	3.90
TDC225M020EL	2.2	20	E	.74
TDC156M020FL	15	20	F	1.00
TDC336M020GL	33	20	G	2.01
TDC476M020GL	47	20	G	2.73

Mallory Number	Cap. MFD	WVDC @ +85°C	Case Size	Net Price (1-24)
TDC686M020HL	68	20	H	\$3.27
TDC107M020HL	100	20	H	3.90
TDC685M025FL	6.8	25	F	.89
TDC106M025FL	10	25	F	.95
TDC226M025GL	22	25	G	1.80
TDC476M025HL	47	25	H	2.97
TDC686M025HL	68	25	H	3.90
TDC105M035EL	1.0	35	E	.75
TDC155M035EL	1.5	35	E	.78
TDC225M035FL	2.2	35	F	.84
TDC335M035FL	3.3	35	F	.89
TDC475M035FL	4.7	35	F	.95
TDC685M035FL	6.8	35	F	1.07
TDC106M035FL	10	35	F	1.25
TDC156M035GL	15	35	G	2.12
TDC226M035GL	22	35	G	2.58

Mallory Number	Cap. MFD	WVDC @ +85°C	Case Size	Net Price (1-24)
TDC336M035HL	33	35	H	\$3.24
TDC476M035HL	47	35	H	4.44
TDC104M050EL	.10	50	E	.77
TDC154M050EL	.15	50	E	.79
TDC224M050EL	.22	50	E	.80
TDC334M050EL	.33	50	E	.80
TDC474M050EL	.47	50	E	.81
TDC684M050EL	.68	50	E	.83
TDC105M050EL	1.0	50	E	.86
TDC155M050FL	1.5	50	F	.93
TDC225M050FL	2.2	50	F	.99
TDC685M050GL	6.8	50	G	2.36
TDC106M050GL	10	50	G	2.85
TDC156M050GL	15	50	G	3.75
TDC226M050HL	22	50	H	5.15

For quantities up to 9,999 consult your local Mallory Distributor.

Tolerance: $\pm 20\%$ Standard
 $\pm 10\%$ available on special order

When ordering 10% tolerance change letter "M" in part number to "K". Contact factory for price and delivery.

Request Bulletin 4-810 for Complete Technical Data

Molded Solid Tantalum Capacitors

TIM



Type TIM solid electrolyte tantalum capacitors are fully molded in a rectangular epoxy case. Radial leads are precisely positioned to provide easy mounting on printed circuit boards. Electrical and environmental performance fits the needs of computer and industrial users. Four case sizes are available. Request bulletin 4-806 for complete technical data.

TIM PRICE SIZE LOCATOR — CASE SIZES V, X, AND Y

Price Code	Tol.	Case	6 to 35 Volts					50 Volts				
			1-24	25-49	50-99	100-499	500-999	1-24	25-49	50-99	100-499	500-999
A	±10%	X	\$1.63	\$1.30	\$0.89	\$0.73	\$0.72	\$2.00	\$1.61	\$1.12	\$0.90	\$0.73
B	±10%	X	1.65	1.32	.91	.75	.64	2.19	1.74	1.20	.97	.79
C	±10%	V & Y	1.65	1.32	.91	.75	.64	2.19	1.74	1.20	.97	.79
D	±10%	Y	3.13	2.51	1.73	1.41	1.18	5.16	4.12	3.09	2.50	2.00
A	±20%	X	1.59	1.27	.86	.69	.54	1.87	1.49	1.03	.83	.67
B	±20%	X	1.61	1.29	.88	.72	.59	1.99	1.60	1.11	.89	.72
C	±20%	V & Y	1.61	1.29	.88	.72	.59	1.99	1.60	1.11	.89	.72
D	±20%	Y	3.07	2.47	1.68	1.36	1.14	3.91	3.12	2.34	1.89	1.51

TIM PRICE SIZE LOCATOR — CASE SIZE W

Price Code	Tol.	Case	3 to 50 Volts				
			1-24	25-49	50-99	100-499	500-999
A	±10%	W	\$1.56	\$1.38	\$0.81	\$0.74	\$0.68
B	±10%	W	1.25	1.02	.74	.63	.50
A	±20%	W	1.31	1.05	.63	.51	.43
B	±20%	W	1.25	1.00	.60	.50	.42

TIM CAPACITORS — CASE SIZE V, W, X AND Y

Catalog Number	MFD	WVDC @ 85°C	Price Code
TIM336*003POV	33	3	B
TIM396*003POV	39	3	C
TIM476*003POV	47	3	C
TIM686*003POV	68	3	C
TIM105*006POX	1.0	6	A
TIM125*006POX	1.2	6	A
TIM155*006POX	1.5	6	A
TIM185*006POX	1.8	6	A
TIM225*006POX	2.2	6	A
TIM275*006POX	2.7	6	A
TIM335*006POX	3.3	6	A
TIM395*006POX	3.9	6	A
TIM475*006POX	4.7	6	A
TIM565*006POX	5.6	6	A
TIM685*006POX	6.8	6	A
TIM825*006POX	8.2	6	B
TIM106*006POW	10	6	B
TIM106*006POX	10	6	B
TIM156*006POX	15	6	B
TIM226*006POX	22	6	B
TIM276*006POV	27	6	B
TIM276*006POY	27	6	B
TIM336*006POV	33	6	B
TIM336*006POX	33	6	B
TIM336*006POY	33	6	B
TIM396*006POV	39	6	C
TIM396*006POY	39	6	C
TIM476*006POV	47	6	C
TIM476*006POY	47	6	C
TIM566*006POY	56	6	C
TIM686*006POY	68	6	C
TIM826*006POY	82	6	D
TIM105*010POX	1.0	10	A
TIM125*010POX	1.2	10	A
TIM155*010POX	1.5	10	A
TIM185*010POX	1.8	10	A
TIM225*010POX	2.2	10	A
TIM275*010POX	2.7	10	A
TIM335*010POX	3.3	10	A
TIM395*010POX	3.9	10	A
TIM475M010POW	4.7	10	B
TIM475*010POX	4.7	10	A
TIM565*010POX	5.6	10	B
TIM685*010POX	6.8	10	B
TIM825*010POX	8.2	10	B
TIM106*010POW	10	10	B
TIM106*010POX	10	10	B
TIM156*010POV	15	10	B
TIM156*010POW	15	10	B
TIM156*010POX	15	10	B
TIM186*010POY	18	10	B

Catalog Number	MFD	WVDC @ 85°C	Price Code
TIM226*010POV	22	10	B
TIM226*010POX	22	10	B
TIM276*010POV	27	10	C
TIM276*010POY	27	10	C
TIM336*010POV	33	10	C
TIM336*010POY	33	10	C
TIM396*010POV	39	10	C
TIM396*010POY	39	10	C
TIM476*010POY	47	10	D
TIM566*010POY	56	10	D
TIM105*015POX	1.0	15	A
TIM125*015POX	1.2	15	A
TIM155*015POX	1.5	15	A
TIM185*015POX	1.8	15	A
TIM225*015POX	2.2	15	A
TIM275*015POX	2.7	15	A
TIM335*015POX	3.3	15	A
TIM395*015POX	3.9	15	B
TIM475*015POX	4.7	15	B
TIM565*015POX	5.6	15	B
TIM685*015POX	6.8	15	B
TIM825*015POX	8.2	15	B
TIM106*015POV	10	15	C
TIM106*015POX	10	15	C
TIM106*015POY	10	15	C
TIM126*015POY	12	15	C
TIM156*015POV	15	15	C
TIM156*015POX	15	15	C
TIM156*015POY	15	15	C
TIM186*015POV	18	15	C
TIM186*015POY	18	15	C
TIM226*015POV	22	15	C
TIM226*015POY	22	15	C
TIM276*015POY	27	15	D
TIM336*015POY	33	15	D
TIM155M020POW	1.5	20	B
TIM225M020POW	2.2	20	B
TIM565*020POW	5.6	20	B
TIM565*020POX	5.6	20	B
TIM685*020POW	6.8	20	B
TIM685*020POX	6.8	20	B
TIM825*020POV	8.2	20	C
TIM106*020POV	10	20	C
TIM106*020POY	10	20	C
TIM126*020POY	12	20	C
TIM156*020POV	15	20	C
TIM156*020POY	15	20	C
TIM186*020POV	18	20	C
TIM186*020POY	18	20	C
TIM105*025POX	1.0	25	A
TIM125*025POX	1.2	25	A

Catalog Number	MFD	WVDC @ 85°C	Price Code
TIM155*025POX	1.5	25	A
TIM185*025POX	1.8	25	A
TIM225*025POX	2.2	25	A
TIM275*025POX	2.7	25	B
TIM335*025POW	3.3	25	B
TIM335*025POX	3.3	25	B
TIM395*025POX	3.9	25	B
TIM475*025POW	4.7	25	B
TIM475*025POX	4.7	25	B
TIM565*025POX	5.6	25	C
TIM565*025POY	5.6	25	C
TIM685*025POV	6.8	25	C
TIM685*025POY	6.8	25	C
TIM825*025POV	8.2	25	C
TIM825*025POY	8.2	25	C
TIM106*025POV	10	25	C
TIM106*025POY	10	25	C
TIM126*025POY	12	25	C
TIM156*025POV	15	25	C
TIM156*025POY	15	25	C
TIM823*035POX	.082	35	A
TIM104*035POX	.10	35	A
TIM154*035POX	.15	35	A
TIM224*035POX	.22	35	A
TIM334*035POX	.33	35	A
TIM394*035POX	.39	35	A
TIM474*035POX	.47	35	A
TIM564*035POX	.56	35	A
TIM684*035POX	.68	35	A
TIM105*035POX	1.0	35	A
TIM125K035POW	1.2	35	A
TIM125*035POX	1.2	35	A
TIM155*035POX	1.5	35	B
TIM185*035POX	1.8	35	B
TIM225*035POW	2.2	35	A
TIM225*035POX	2.2	35	B
TIM275*035POW	2.7	35	A
TIM275*035POX	2.7	35	B
TIM335*035POX	3.3	35	B
TIM395*035POX	3.9	35	B
TIM395*035POY	3.9	35	C
TIM475*035POV	4.7	35	C
TIM475*035POY	4.7	35	C
TIM565*035POY	5.6	35	C
TIM685*035POY	6.8	35	C
TIM825*035POY	8.2	35	D
TIM106K035POY	10	35	D
TIM823*050POX	.082	50	A
TIM104*050POX	.10	50	A
TIM154*050POX	.15	50	A
TIM224*050POX	.22	50	A

*Specify "K" or "M" tolerance; M = ±20%, K = ±10%.

CONTINUED →

Molded Solid Tantalum Capacitors

TIM CAPACITORS — CASE SIZE V, W, X AND Y

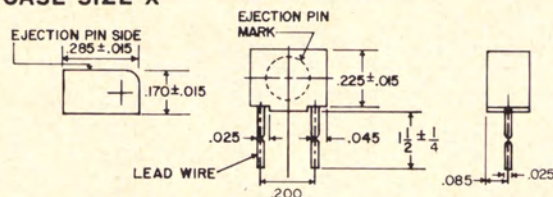
Catalog Number	MFD	WVDC @ 85°C	Price Code
TIM334*050POW	.33	50	B
TIM334*050POX	.33	50	A
TIM394*050POX	.39	50	A
TIM474*050POW	.47	50	B
TIM474*050POX	.47	50	A
TIM564*050POW	.56	50	A
TIM564*050POX	.56	50	A

Catalog Number	MFD	WVDC @ 85°C	Price Code
TIM684*050POW	.68	50	A
TIM684*050POX	.68	50	A
TIM105*050POW	1.0	50	A
TIM105*050POX	1.0	50	A
TIM125*050POX	1.2	50	B
TIM155*050POW	1.5	50	B
TIM155*050POX	1.5	50	B

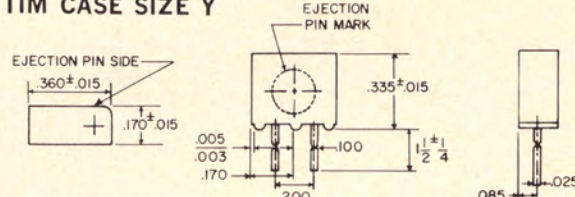
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TIM185*050POX	1.8	50	B
TIM225*050POX	2.2	50	B
TIM395*050POY	3.9	50	C
TIM475*050POY	4.7	50	C
TIM565*050POY	5.6	50	D

*Specify "K" or "M" tolerance; M = $\pm 20\%$, K = $\pm 10\%$.

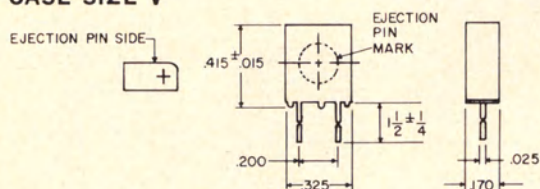
TIM CASE SIZE X



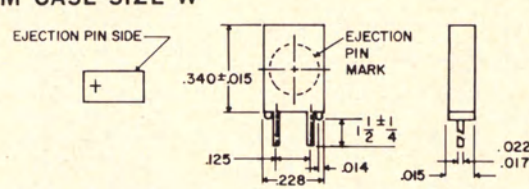
TIM CASE SIZE Y



TIM CASE SIZE V



TIM CASE SIZE W

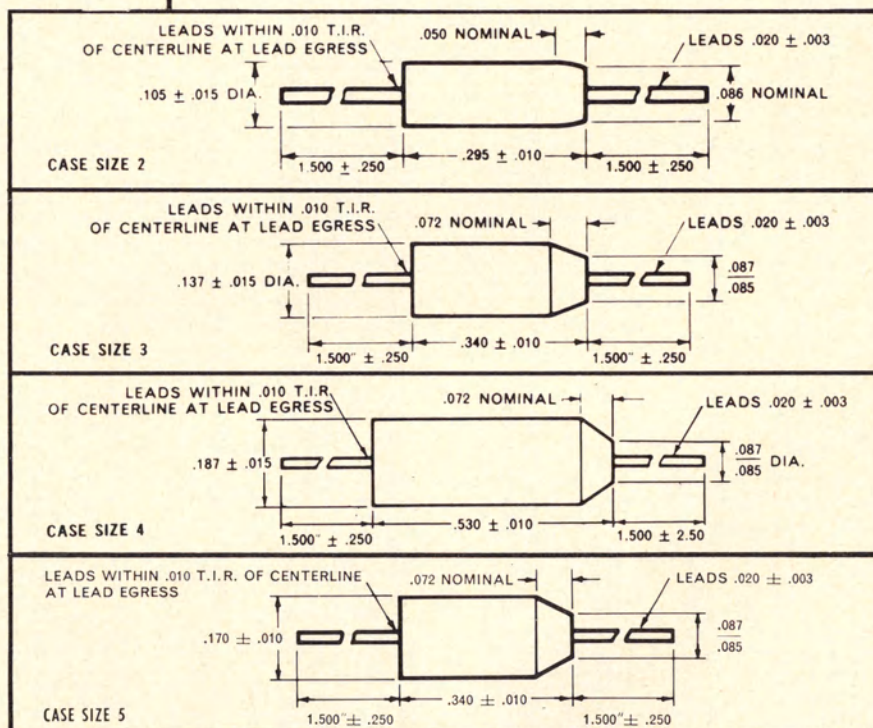


TAC

Type TAC solid electrolyte tantalum capacitors are fully molded in a tubular epoxy, axial lead case. Rating for rating, they are smaller or equivalent to metal can units. Their uniform molded construction is ideal for automatic assembly methods and reel packaging. Use wherever a solid tantalum capacitor is needed including most MIL specification environments. Request bulletin 4-806 for complete technical data.

FEATURES:

- Tough epoxy molded case
- Printed circuit board compatibility
- Stable electrical characteristics
- Long shelf life
- Excellent performance in severe environments
- Small uniform size for automatic assembly



TAC PRICE SIZE LOCATOR — CASE SIZES 2, 3, 4 AND 5

Price Code	Tol.	Case	3 to 35 Volts					50 Volts				
			1-24	25-49	50-99	100-499	500-999	1-24	25-49	50-99	100-499	500-999
2	$\pm 10\%$	2	\$0.79	\$0.76	\$0.59	\$0.53	\$0.43	\$0.84	\$0.68	\$0.62	\$0.56	\$0.45
3	$\pm 10\%$	3	.79	.76	.59	.53	.43	.84	.68	.62	.56	.45
4	$\pm 10\%$	4	.81	.68	.63	.56	.45	.88	.71	.65	.58	.49
5	$\pm 10\%$	5	.80	.68	.57	.50	.40	.92	.79	.66	.58	.46
2	$\pm 20\%$	2	.74	.63	.56	.50	.40	.81	.65	.58	.49	.42
3	$\pm 20\%$	3	.74	.63	.56	.50	.40	.81	.65	.58	.49	.42
4	$\pm 20\%$	4	.76	.65	.58	.52	.42	.83	.67	.60	.55	.44
5	$\pm 20\%$	5	.76	.65	.54	.48	.38	.88	.76	.63	.55	.44

Molded Solid Tantalum Capacitors

Mallory Number	Cap., μ F	WVDC @ +85°C	Price Code
TAC156*003P02	15	3	2
TAC186K003P02	18	3	2
TAC686*003P04	68	3	4
TAC826K003P04	82	3	4
TAC565K006P02	5.6	6	2
TAC685*006P02	6.8	6	2
TAC825K006P05	8.2	6	5
TAC106*006P02	10	6	2
TAC106*006P05	10	6	5
TAC126K006P02	12	6	2
TAC126K006P05	12	6	5
TAC156*006P04	15	6	4
TAC156*006P05	15	6	5
TAC186K006P04	18	6	4
TAC186K006P05	18	6	5
TAC226*006P04	22	6	4
TAC226*006P05	22	6	5
TAC276K006P04	27	6	4
TAC336*006P04	33	6	4
TAC396K006P04	39	6	4
TAC476*006P04	47	6	4
TAC566K006P04	56	6	4
TAC125K010P02	1.2	10	2
TAC155*010P02	1.5	10	2
TAC185K010P02	1.8	10	2
TAC225*010P02	2.2	10	2
TAC275K010P02	2.7	10	2
TAC335*010P02	3.3	10	2
TAC395K010P02	3.9	10	2
TAC475*010P02	4.7	10	2
TAC565K010P05	5.6	10	5
TAC685*010P02	6.8	10	2
TAC825K010P04	8.2	10	4
TAC825K010P05	8.2	10	5
TAC106*010P04	10	10	4
TAC106*010P05	10	10	5
TAC126K010P04	12	10	4
TAC126K010P05	12	10	5
TAC156*010P04	15	10	4
TAC156*010P05	15	10	5
TAC186K010P04	18	10	4
TAC226*010P04	22	10	4
TAC276K010P04	27	10	4
TAC336*010P04	33	10	4
TAC396K010P04	39	10	4
TAC125K015P02	1.2	15	2

* Specify K or M Tolerance; M = $\pm 20\%$, K = $\pm 10\%$.

Mallory Number	Cap., μ F	WVDC @ +85°C	Price Code
TAC155*015P02	1.5	15	2
TAC185K015P02	1.8	15	2
TAC225*015P02	2.2	15	2
TAC275K015P02	2.7	15	2
TAC335*015P03	3.3	15	3
TAC395K015P04	3.9	15	4
TAC395K015P05	3.9	15	5
TAC475*015P04	4.7	15	4
TAC475*015P05	4.7	15	5
TAC565K015P04	5.6	15	4
TAC685*015P04	6.8	15	4
TAC825K015P04	8.2	15	4
TAC825K015P05	8.2	15	5
TAC106*015P04	10	15	4
TAC106*015P05	10	15	5
TAC126K015P04	12	15	4
TAC156*015P04	15	15	4
TAC186K015P04	18	15	4
TAC226*015P04	22	15	4
TAC105*020P02	1.0	20	2
TAC125K020P02	1.2	20	2
TAC155*020P02	1.5	20	2
TAC185K020P02	1.8	20	2
TAC225*020P02	2.2	20	2
TAC275K020P05	2.7	20	5
TAC335*020P04	3.3	20	4
TAC335*020P05	3.3	20	5
TAC395K020P04	3.9	20	4
TAC395K020P05	3.9	20	5
TAC475*020P04	4.7	20	4
TAC475*020P05	4.7	20	5
TAC565K020P04	5.6	20	4
TAC565K020P05	5.6	20	5
TAC685*020P04	6.8	20	4
TAC685*020P05	6.8	20	5
TAC825K020P04	8.2	20	4
TAC106*020P04	10	20	4
TAC126K020P04	12	20	4
TAC156*020P04	15	20	4
TAC125K025P03	1.2	25	3
TAC155*025P03	1.5	25	3
TAC185K025P03	1.8	25	3
TAC225K025P03	2.2	25	3
TAC275K025P04	2.7	25	4
TAC275K025P05	2.7	25	5
TAC335*025P04	3.3	25	4
TAC335*025P05	3.3	25	5
TAC395K025P04	3.9	25	4

Mallory Number	Cap., μ F	WVDC @ +85°C	Price Code
TAC395K025P05	3.9	25	5
TAC475*025P04	4.7	25	4
TAC475*025P05	4.7	25	5
TAC565K025P04	5.6	25	4
TAC565K025P05	5.6	25	5
TAC685*025P04	6.8	25	4
TAC825K025P04	8.2	25	4
TAC106*025P04	10	25	4
TAC126K025P04	12	25	4
TAC564K035P02	.56	35	2
TAC684*035P02	.68	35	2
TAC824K035P02	.82	35	2
TAC125K035P03	1.2	35	3
TAC155K035P05	1.5	35	5
TAC185K035P05	1.8	35	5
TAC225*035P05	2.2	35	5
TAC275K035P04	2.7	35	4
TAC275K035P05	2.7	35	5
TAC335*035P04	3.3	35	4
TAC335*035P05	3.3	35	5
TAC395K035P04	3.9	35	4
TAC475*035P04	4.7	35	4
TAC565K035P04	5.6	35	4
TAC685*035P04	6.8	35	4
TAC825K035P04	8.2	35	4
TAC823K050P02	.082	50	2
TAC104*050P02	.10	50	2
TAC124K050P02	.12	50	2
TAC154*050P02	.15	50	2
TAC184K050P02	.18	50	2
TAC224*050P02	.22	50	2
TAC274K050P02	.27	50	2
TAC334*050P02	.33	50	2
TAC394K050P02	.39	50	2
TAC474*050P02	.47	50	2
TAC564K050P03	.56	50	3
TAC684*050P03	.68	50	3
TAC824K050P03	.82	50	3
TAC105*050P03	1.0	50	3
TAC125K050P04	1.2	50	4
TAC125K050P05	1.2	50	5
TAC155*050P04	1.5	50	4
TAC155*050P05	1.5	50	5
TAC225*050P04	2.2	50	4
TAC275K050P04	2.7	50	4
TAC335*050P04	3.3	50	4
TAC395K050P04	3.9	50	4
TAC475*050P04	4.7	50	4

• THF Solid Tantalum Capacitors

The THF solid tantalum capacitor is designed to offer low impedance to ripple current at frequencies above 1kHz through 100kHz. Special patented configuration sintered anodes provide lower equivalent series resistance (ESR) at these frequencies in comparison to conventional type solid tantalum capacitors. Lower ESR means lower power losses. Lower power loss characteristics result in savings in space, weight and cost by substituting one THF for as many as four conventional CSR 13 type capacitors to bypass or filter unwanted ripple currents. Ripple Current ratings by part num-

ber are shown in the Standard Rating Table. The solid electrolyte combined with the hermetic seal provides an inherently long life time and very stable electrical characteristics over a temperature range of -80° through 125°C .

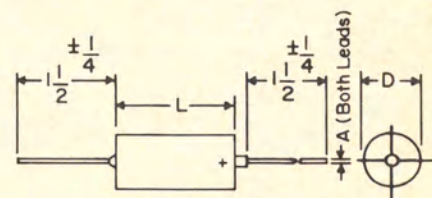
KEY FEATURES: High ripple current, Low ESR, Lower impedance at high frequencies, Small size, Extremely stable capacitance, Hermetic seal, Long life.

APPLICATIONS: Switching Regulators, High Frequency Power Supplies, By-pass filtering.

HIGHLIGHTS

- Capacitance 15 to 330 μ F
- Voltage 6 to 50 VDC
- Tolerance $\pm 10\%$ optional
- Temperature -80°C to 125°C
- Case size 2 sizes, .29 x .69 & .35 x .79 inches

Mallory Part No.	Cap., μ F	WVDC @ +85°C	WVDC @ +125°C	Case Size	Net Each
THF187K006P1F	180	6	4	F	\$3.29
THF337K006P1G	330	6	4	G	5.00
THF826K010P1F	82	10	7	F	3.15
THF107K010P1F	100	10	7	F	3.22
THF127K010P1F	120	10	7	F	3.36
THF227K010P1G	220	10	7	G	5.00
THF686K015P1F	68	15	10	F	3.22
THF157K015P1G	150	15	10	G	5.00
THF476K020P1F	47	20	13	F	3.22
THF107K020P1G	100	20	13	G	5.00
THF156K035P1F	15	35	23	F	3.01
THF226K035P1F	22	35	23	F	3.22
THF476K035P1G	47	35	23	G	5.00
THF186K050P1F	18	50	33	F	4.16
THF226K050P1G	22	50	33	G	5.32



THF DIMENSIONS

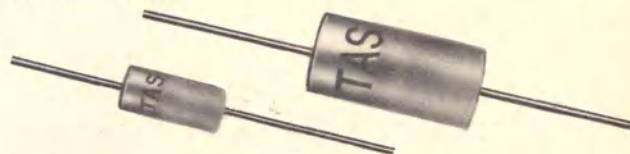
CASE CODE	Uninsulated Case Dimensions		Shrink-Fit Insulated Case Dimensions	
	D	L	D	L
Mallory	+.016		+.016	
THF	-.010	$\pm .031$	-.015	$\pm .031$
F	.279	.650	.289	.686
G	.341	.750	.351	.786

TAS Solid Tantalum Capacitors

CS12, CS13 AND TAS SOLID ELECTROLYTE TANTALUM CAPACITORS

Ultra-miniature capacitors designed to withstand the most difficult environmental conditions. Furnished in hermetically sealed metal cases. Temperature range: -80°C to +85°C (to +125°C with derating). TAS commercial types 6 through 50 WVDC are shown on page CS12 and CS13 types to both MIL-C-26655A and MIL-C-26655B are shown on next page. **TAS ORDERING INFORMATION:** Specified by a 13-digit part number. **Tolerance:** Specify K for $\pm 10\%$ or M for $\pm 20\%$. **Insulating Sleeve:** TAS types are listed with uninsulated cases; for insulating sleeve, change 12th digit of part number from 0 to 1. **Case Sizes:** TAS sizes are indicated by the last letter in the part number (A, C, F, & G). **CS12/13 ORDERING INFORMATION:** Shown on page to both MIL-C-26655A and MIL-C-26655B. Either type may be ordered. **Tolerance:** Specify K for $\pm 10\%$ or M for $\pm 20\%$. **Insulating Sleeve:** Uninsulated CS12 types are shown. For insulating sleeve, specify

CS13. Case sizes: Shown by code letter in listing. Request bulletin 4-801 for Type TAS technical data.



STOCK VALUES — TAS TYPES

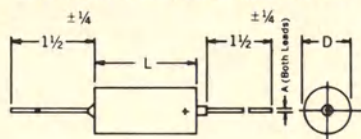
Cap., uF	6 WVDC Mallory No.†	10 WVDC Mallory No.†	15 WVDC Mallory No.†	20 WVDC Mallory No.†	35 WVDC Mallory No.†	50 WVDC Mallory No.†
.0047	TAS472*006POA	TAS472*010POA	TAS472*015POA	TAS472*020POA	TAS472*035POA‡	.....
.0056	TAS562K006POA	TAS562K010POA	TAS562K015POA	TAS562K020POA	TAS562K035POA‡	.....
.0068	TAS682*006POA	TAS682*010POA	TAS682*015POA	TAS682*020POA	TAS682*035POA‡	.....
.0082	TAS822K006POA	TAS822K010POA	TAS822K015POA	TAS822K020POA	TAS822K035POA‡	.....
.010	TAS103*006POA	TAS103*010POA	TAS103*015POA	TAS103*020POA	TAS103*035POA‡	.....
.012	TAS123K006POA	TAS123K010POA	TAS123K015POA	TAS123K020POA	TAS123K035POA‡	.....
.015	TAS153*006POA	TAS153*010POA	TAS153*015POA	TAS153*020POA	TAS153*035POA‡	.....
.018	TAS183K006POA	TAS183K010POA	TAS183K015POA	TAS183K020POA	TAS183K035POA‡	.....
.022	TAS223*006POA	TAS223*010POA	TAS223*015POA	TAS223*020POA	TAS223*035POA‡	.....
.027	TAS273K006POA	TAS273K010POA	TAS273K015POA	TAS273K020POA	TAS273K035POA‡	.....
.033	TAS333*006POA	TAS333*010POA	TAS333*015POA	TAS333*020POA	TAS333*035POA‡	.....
.039	TAS393K006POA	TAS393K010POA	TAS393K015POA	TAS393K020POA	TAS393K035POA‡	.....
.047	TAS473*006POA	TAS473*010POA	TAS473*015POA	TAS473*020POA	TAS473*035POA‡	.....
.056	TAS563K006POA	TAS563K010POA	TAS563K015POA	TAS563K020POA	TAS563K035POA‡	.....
.068	TAS683*006POA	TAS683*010POA	TAS683*015POA	TAS683*020POA	TAS683*035POA‡	.....
.082	TAS823K006POA	TAS823K010POA	TAS823K015POA	TAS823K020POA	TAS823K035POA‡	.....
.10	TAS104*006POA	TAS104*010POA	TAS104*015POA	TAS104*020POA	TAS104*035POA‡	.....
.12	TAS124K006POA	TAS124K010POA	TAS124K015POA	TAS124K020POA	TAS124K035POA‡	.....
.15	TAS154*006POA	TAS154*010POA	TAS154*015POA	TAS154*020POA	TAS154*035POA‡	.....
.18	TAS184K006POA	TAS184K010POA	TAS184K015POA	TAS184K020POA	TAS184K035POA‡	.....
.22	TAS224*006POA	TAS224*010POA	TAS224*015POA	TAS224*020POA	TAS224*035POA‡	.....
.27	TAS274K006POA	TAS274K010POA	TAS274K015POA	TAS274K020POA	TAS274K035POA‡	.....
.33	TAS334*006POA	TAS334*010POA	TAS334*015POA	TAS334*020POA	TAS334*035POA‡	TAS334*050POA
.39	TAS394K006POA	TAS394K010POA	TAS394K015POA	TAS394K020POA	TAS394K035POA‡	TAS394K050POA
.47	TAS474*006POA	TAS474*010POA	TAS474*015POA	TAS474*020POA	TAS474*035POA‡	TAS474*050POA
.56	TAS564K006POA	TAS564K010POA	TAS564K015POA	TAS564K020POA	TAS564K035POA‡	TAS564K050POA
.68	TAS684*006POA	TAS684*010POA	TAS684*015POA	TAS684*020POA	TAS684*035POA‡	TAS684*050POA
.82	TAS824K006POA	TAS824K010POA	TAS824K015POA	TAS824K020POA	TAS824K035POA‡	TAS825K050POA
1.0	TAS105*006POA	TAS105*010POA	TAS105*015POA	TAS105*020POA	TAS105*035POA‡	TAS105*050POA
1.2	TAS125K006POA	TAS125K010POA	TAS125K015POA	TAS125K020POA‡	TAS125K035POC‡	TAS125K050POC
1.5	TAS155*006POA	TAS155*010POA	TAS155*015POA	TAS155*020POA‡	TAS155*035POC‡	TAS155*050POC
1.8	TAS185K006POA	TAS185K010POA	TAS185K015POA	TAS185K020POA‡	TAS185K035POC‡	TAS185K050POC
2.2	TAS225*006POA	TAS225*010POA	TAS225*015POA	TAS225*020POA‡	TAS225*035POC‡	TAS225*050POC
2.7	TAS275K006POA	TAS275K010POA	TAS275K015POA‡	TAS275K020POC	TAS275K035POC‡	TAS275K050POC
3.3	TAS335*006POA	TAS335*010POA	TAS335*015POA‡	TAS335*020POC	TAS335*035POC‡	TAS335*050POC
3.9	TAS395K006POA	TAS395K010POA‡	TAS395K015POC	TAS395K020POC	TAS395K035POC‡	TAS395K050POC
4.7	TAS475*006POA	TAS475*010POA‡	TAS475*015POC	TAS475*020POC	TAS475*035POC‡	TAS475*050POC
5.6	TAS565K006POA‡	TAS565K010POC	TAS565K015POC	TAS565K020POC	TAS565K035POC‡	TAS565K050POF
6.8	TAS685*006POA‡	TAS685*010POC	TAS685*015POC	TAS685*020POC	TAS685*035POC‡	TAS685*050POF
8.2	TAS825K006POC	TAS825K010POC	TAS825K015POC	TAS825K020POC‡	TAS825K035POF‡	TAS825K050POF
10	TAS106*006POC	TAS106*010POC	TAS106*015POC	TAS106*020POC‡	TAS106*035POF‡	TAS106*050POF
12	TAS126K006POC	TAS126K010POC	TAS126K015POC	TAS126K020POC‡	TAS126K035POF‡	TAS126K050POF
15	TAS156*006POC	TAS156*010POC	TAS156*015POC	TAS156*020POC‡	TAS156*035POF‡	TAS156*050POF
18	TAS186K006POC	TAS186K010POC	TAS186K015POC‡	TAS186K020POF	TAS186K035POF‡	TAS186K050POF
22	TAS226*006POC	TAS226*010POC	TAS226*015POC‡	TAS226*020POF	TAS226*035POF‡	TAS226*050POG
27	TAS276K006POC	TAS276K010POC‡	TAS276K015POF	TAS276K020POF‡	TAS276K035POG‡	.....
33	TAS336*006POC	TAS336M010POC‡	TAS336*015POF	TAS336*020POF‡	TAS336*035POG‡	.....
39	TAS396K006POC	TAS396K010POC‡	TAS396K015POF	TAS396K020POF‡	TAS396K035POG‡	.....
47	TAS476*006POC‡	TAS476*010POF	TAS476*015POF	TAS476*020POF‡	TAS476*035POG	.....
56	TAS566K006POC‡	TAS566K010POF	TAS566K015POF‡	TAS566K020POG‡	.....	.....
68	TAS686*006POF	TAS686*010POF	TAS686*015POF‡	TAS686*020POG‡	TAS686M035POG	.....
82	TAS826K006POF	TAS826K010POF‡	TAS826K015POG	TAS826K020POG‡	.....	.....
100	TAS107*006POF	TAS107*010POF‡	TAS107*015POG	TAS107*020POG‡	.....	.....
120	TAS127K006POF	TAS127K010POF‡	TAS127K015POG‡	.....	.....	.....
150	TAS157*006POF‡	TAS157*010POG	TAS157*015POG‡	.....	.....	.....
180	TAS187K006POF‡	TAS187K010POG‡	.....	.....	.....	.....
220	TAS227*006POG	TAS227*010POG‡	.....	.....	.....	.....
270	TAS277K006POG‡	.....	.....	.....	.....	.....
330	TAS337*006POG‡	.....	.....	.....	.....	.....

*Specify K for $\pm 10\%$ tolerance or M for $\pm 20\%$.

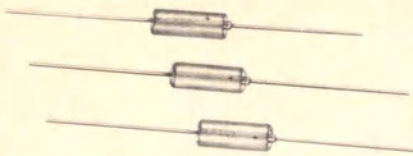
‡Parent value; Max. WVDC vs. capacity, size.

†Last letter indicates size; see below.

TAS AND CS12/13 DIMENSIONS



CASE CODE		Uninsulated Case Dimensions		Shrink-Fit Insulated Case Dimensions	
MIL Size Code	Mallory TAS	D +.016 -.010	L +.031	D +.016 -.015	L +.031
A	A	.125	.250	.135	.286
B	C	.175	.438	.185	.474
C	F	.279	.650	.289	.686
D	G	.341	.750	.351	.786



Solid Tantalum Capacitors Style CS 12/13

STYLE CS12 AND CS13 CAPACITORS

Mallory offers Solid Tantalum Capacitors constructed to meet MIL-C-26655A and MIL-C-26655B, types CS12 and CS13. Although these specifications are obsolete for new government contracts there are still many prints in the field which call for this Military designation. Order to the specifications by MIL number as listed below. Uninsulated CS12 types shown. For Insulating Sleeve specify CS13. Dimensions shown on page 28.

MALLORY NUMBER							MALLORY NUMBER								
Cap., mfd	Volts	Tol. ±%	MIL-C-	26655A	MIL-C-	26655B	MIL Case Size	Cap., mfd	Volts	Tol. ±%	MIL-C-	26655A	MIL-C-	26655B	MIL Case Size
5.6	6	10	CS12A	B5R6K	CS12B	B565K	A	.39	35	10	CS12A	FR39K	CS12B	F394M	A
6.8	6	10	CS12A	B6R8K	CS12B	B685K	A	.47	35	10	CS12A	FR47K	CS12B	F474K	A
6.8	6	20	CS12A	B6R8M	CS12B	B685M	A	.47	35	20	CS12A	FR47M	CS12B	F474M	A
47	6	10	CS12A	B470K	CS12B	B476K	B	.56	35	10	CS12A	FR56K	CS12B	F564K	A
47	6	20	CS12A	B470M	CS12B	B476M	B	.68	35	10	CS12A	FR68K	CS12B	F684K	A
56	6	10	CS12A	B560K	CS12B	B566K	B	.68	35	20	CS12A	FR68M	CS12B	F684M	A
150	6	10	CS12A	B151K	CS12B	B157K	C	.82	35	10	CS12A	FR82K	CS12B	F824K	A
150	6	20	CS12A	B151M	CS12B	B151M	C	1.0	35	10	CS12A	F010K	CS12B	F105K	A
180	6	10	CS12A	B181K	CS12B	B187K	C	1.0	35	20	CS12A	F010M	CS12B	F105M	A
270	6	10	CS12A	B271K	CS12B	B277K	D	1.2	35	10	CS12A	F1R2K	CS12B	F125K	B
330	6	10	CS12A	B331K	CS12B	B337K	D	1.5	35	10	CS12A	F1R5K	CS12B	F155K	B
330	6	20	CS12A	B331M	CS12B	B337M	D	1.5	35	20	CS12A	F1R5M	CS12B	F155M	B
								1.8	35	10	CS12A	F1R8K	CS12B	F185K	B
3.9	10	10	CS12A	C3R9K	CS12B	C395K	A	2.2	35	10	CS12A	F2R2K	CS12B	F225K	B
4.7	10	10	CS12A	C4R7K	CS12B	C475K	A	2.2	35	20	CS12A	F2R2M	CS12B	F225M	B
4.7	10	20	CS12A	C4R7M	CS12B	C475M	A	2.7	35	10	CS12A	F2F7K	CS12B	F275K	B
27	10	10	CS12A	C270K	CS12B	C276K	B	3.3	35	10	CS12A	F3R3K	CS12B	F335K	B
33	10	10	CS12A	C330K	CS12B	C336K	B	3.3	35	20	CS12A	F3R3M	CS12B	F335M	B
33	10	20	CS12A	C330M	CS12B	C336M	B	3.9	35	10	CS12A	F3R9K	CS12B	F395K	B
39	10	10	CS12A	C390K	CS12B	C396K	B	4.7	35	10	CS12A	F4R7K	CS12B	F475K	B
82	10	10	CS12A	C820K	CS12B	C826K	C	4.7	35	20	CS12A	F4R7M	CS12B	F475M	B
100	10	10	CS12A	C101K	CS12B	C107K	C	5.6	35	10	CS12A	F5R6K	CS12B	F565K	B
100	10	20	CS12A	C101M	CS12B	C107M	C	6.8	35	10	CS12A	F6R8K	CS12B	F685K	B
120	10	10	CS12A	C121K	CS12B	C127K	C	6.8	35	20	CS12A	F6R8M	CS12B	F685M	B
180	10	10	CS12A	C181K	CS12B	C187K	D	8.2	35	10	CS12A	F8R2K	CS12B	F825K	C
220	10	10	CS12A	C221K	CS12B	C227K	D	10	35	10	CS12A	F100K	CS12B	F106K	C
220	10	20	CS12A	C221M	CS12B	C227M	D	10	35	20	CS12A	F100M	CS12B	F106M	C
								12	35	10	CS12A	F120K	CS12B	F126K	C
								15	35	10	CS12A	F150K	CS12B	F156K	C
2.7	15	10	CS12A	D2R7K	CS12B	D225K	A	15	35	20	CS12A	F150M	CS12B	F156M	C
3.3	15	10	CS12A	D3R3K	CS12B	D335K	A	18	35	10	CS12A	F180K	CS12B	F186K	C
3.3	15	20	CS12A	D3R3M	CS12B	D335M	A	22	35	10	CS12A	F220K	CS12B	F226K	C
18	15	10	CS12A	D180K	CS12B	D186K	B	22	35	20	CS12A	F220M	CS12B	F226M	C
22	15	10	CS12A	D220K	CS12B	D226K	B	27	35	10	CS12A	F270K	CS12B	F276K	D
22	15	20	CS12A	D220M	CS12B	D226M	B	33	35	10	CS12A	F330K	CS12B	F336K	D
56	15	10	CS12A	D560K	CS12B	D566K	C	33	35	20	CS12A	F330M	CS12B	F336M	D
68	15	10	CS12A	D680K	CS12B	D686K	C	39	35	10	CS12A	F390K	CS12B	F396K	D
68	15	20	CS12A	D680M	CS12B	D686M	C	47	35	10	CS12A	F470K	CS12B	F476K	D
120	15	10	CS12A	D121K	CS12B	D127K	D	47	35	20	CS12A	F470M	CS12B	F476M	D
150	15	10	CS12A	D151K	CS12B	D157K	D								
150	15	20	CS12A	D151M	CS12B	D157M	D								
								1.0	50	10	CS12A	G010K	CS12B	G105K	A
1.2	20	10	CS12A	E1R2K	CS12B	E125K	A	1.0	50	20	CS12A	G010M	CS12B	G105M	A
1.5	20	10	CS12A	E1R5K	CS12B	E155K	A	1.2	50	10	CS12A	G1R2K	CS12A	G125K	B
1.5	20	20	CS12A	E1R5M	CS12B	E155M	A	1.5	50	10	CS12A	G1R5K	CS12A	G155K	B
1.8	20	10	CS12A	E1R8K	CS12B	E185K	A	1.5	50	20	CS12A	G1R5M	CS12A	G155M	B
2.2	20	10	CS12A	E2R2K	CS12B	E225K	A	1.8	50	10	CS12A	G1R8K	CS12A	G185K	B
2.2	20	20	CS12A	E2R2M	CS12B	E225M	A	2.2	50	10	CS12A	G2R2K	CS12A	G225K	B
8.2	20	10	CS12A	E8R2K	CS12B	E825K	B	2.2	50	20	CS12A	G2R2M	CS12A	G225M	B
10	20	10	CS12A	E100K	CS12B	E106K	B	2.7	50	10	CS12A	G2R7K	CS12A	G275K	B
10	20	20	CS12A	E100M	CS12B	E106M	B	3.3	50	10	CS12A	F3R3K	CS12A	F335K	B
12	20	10	CS12A	E120K	CS12B	E126K	B	3.3	50	20	CS12A	F3R3M	CS12A	F335M	B
15	20	10	CS12A	E150K	CS12B	E156K	B	3.9	50	10	CS12A	G3R9K	CS12A	G395K	B
15	20	20	CS12A	E150M	CS12B	E156M	B	4.7	50	10	CS12A	G4R7K	CS12A	G475K	B
27	20	10	CS12A	E270K	CS12B	E276K	C	4.7	50	20	CS12A	G4R7M	CS12A	G475M	B
33	20	10	CS12A	E330K	CS12B	E336K	C	5.6	50	10	CS12A	G5R6K	CS12A	G565K	C
33	20	20	CS12A	E330M	CS12B	E336M	C	6.8	50	10	CS12A	G6R8K	CS12A	G685K	C
39	20	10	CS12A	E390K	CS12B	E396K	C	6.8	50	20	CS12A	G6R8M	CS12A	G685M	C
47	20	10	CS12A	E470K	CS12B	E476K	C								
47	20	20	CS12A	E470M	CS12B	E476M	C								
56	20	10	CS12A	E560K	CS12B	E566K	D	8.2	50	10	CS12A	G8R2K	CS12A	G825K	C
68	20	10	CS12A	E680K	CS12B	E686K	D	10	50	10	CS12A	G100K	CS12A	G106K	C
68	20	20	CS12A	E680M	CS12B	E686M	D	10	50	20	CS12A	G100M	CS12A	G106M	C
82	20	10	CS12A	E820K	CS12B	E826K	D	12	50	10	CS12A	G120K	CS12A	G126K	C
100	20	10	CS12A	E101K	CS12B	E107K	D	15	50	10	CS12A	G150K	CS12A	G156K	C
100	20	20	CS12A	E101M	CS12B	E107M	D	15	50	20	CS12A	G150M	CS12A	G156M	C
								18	50	10	CS12A	G180K	CS12A	G186K	C
.33	35	10	CS12A	FR33K	CS12B	F334K	A	22	50	10	CS12A	G220K	CS12A	G226K	D
.33	35	20	CS12A	FR33M	CS12B	F334M	A	22	50	20	CS12A	G220M	CS12A	G226M	D

Consult your local Mallory distributor for price information.

CSR Tantalum Capacitors

Cap., mfd	Tol.	WVDC At +85°C	Mil And Mallory No.	L Level Mil Dash No.†	M Level Mil Dash No.	P Level Mil Dash No.	R Level Mil Dash No.	Mil Case Size
2.2	±10%	50	CSR13G225K*	-2122	-2362	-2602	-2842	B
2.2	±20%	50	CSR13G225M*	-2123	-2363	-2603	-2843	B
2.7	±10%	50	CSR13G275K*	-2124	-2364	-2604	-2844	B
3.3	±10%	50	CSR13G335K*	-2125	-2365	-2605	-2845	B
3.3	±20%	50	CSR13G335M*	-2126	-2366	-2606	-2846	B
3.9	±10%	50	CSR13G395K*	-2127	-2367	-2607	-2847	B
4.7	±10%	50	CSR13G475K*	-2128	-2368	-2608	-2848	B
4.7	±20%	50	CSR13G475M*	-2129	-2369	-2609	-2849	B
5.6	±10%	50	CSR13G565K*	-2130	-2370	-2610	-2850	C
6.8	±10%	50	CSR13G685K*	-2131	-2371	-2611	-2851	C

Cap., mfd	Tol.	WVDC At +85°C	Mil And Mallory No.	L Level Mil Dash No.†	M Level Mil Dash No.	P Level Mil Dash No.	R Level Mil Dash No.	Mil Case Size
6.8	±20%	50	CSR13G685M*	-2132	-2372	-2612	-2852	C
8.2	±10%	50	CSR13G825K*	-2133	-2373	-2613	-2853	C
10	±10%	50	CSR13G106K*	-2134	-2374	-2614	-2854	C
10	±20%	50	CSR13G106M*	-2135	-2375	-2615	-2855	C
12	±10%	50	CSR13G126K*	-2136	-2376	-2616	-2856	C
15	±10%	50	CSR13G156K*	-2137	-2377	-2617	-2857	C
15	±20%	50	CSR13G156M*	-2138	-2378	-2618	-2858	C
18	±10%	50	CSR13G186K*	-2139	-2379	-2619	-2859	C
22	±10%	50	CSR13G226K*	-2140	-2380	-2620	-2860	D
22	±20%	50	CSR13G226M*	-2141	-2381	-2621	-2861	D

*Specify "L", "M", "P" or "R" Level on Order.

Consult your local Mallory distributor for price information.

†L Level numbers available from stock although they no longer are listed in MIL-C-39003.

Mallory now has MIL approval on MIL-C-39003/03. Style CSR23 and MIL-C-39003/06. Style CSR33. All Cap Values, tols., 6 thru 50 volts, Cases A & B. Failure rate "M". These are available upon request. Consult factory for pricing and delivery.

Liquid Electrolytic Tantalum TAP & TNT

TAP - TNT MINIATURE PELLET EPOXY SEAL —55°C TO +85°C

Mallory TNT-TAP capacitors employ sintered anode wet-slug construction and are furnished in metal cases with precision formed epoxy end seals. Values shown have uninsulated cases; for insulating sleeve, change 12th digit of part number to "1" and add 5¢ to prices shown. Standard tolerance: —15% +75%; other tolerances are available on special order. For detailed specifications, ask for bulletins: 4-38 (TNT) and 4-52 (TAP).

TNT PRICES

Case Size	Net Each, Lots of				
	1-24	25-49	50-99	100-499	500-999
A	\$1.42	\$1.15	\$.98	\$.90	\$.87
B	1.67	1.35	1.15	1.04	1.01

TAP PRICES

Case Size	Net Each, Lots of				
	1-24	25-49	50-99	100-499	500-999
A	\$1.66	\$1.35	\$1.15	\$1.05	\$1.01
B	2.77	2.23	1.89	1.70	1.65
C	4.77	3.82	3.24	2.92	2.82

TNT

Cap., mfd	WVDC +85°C	Mallory Number	Case Size
80	3	TNT806U003POB	B
25	6	TNT256U006POA	A
50	6	TNT506U006POB	B
35	12	TNT356U012POB	B
12	15	TNT126U015POA	A
25	15	TNT256U015POB	B
15	30	TNT156U030POB	B
6	35	TNT605U035POA	A
12	35	TNT126U035POB	B
2	50	TNT205U050POA	A
4	50	TNT405U050POA	A
8	50	TNT805U050POB	B

CASE SIZES

Add .010" dia. x .093" l. for sleeve.

Case Code	Size, In. (Dia. x L.)	
	TNT	TAP
A	.152 x .325	.228 x .500
B	.152 x .475	.228 x .660
C	.....	.228 x .875

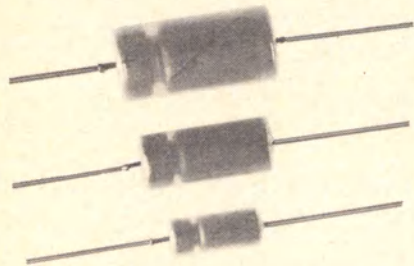
TAP

Cap., mfd	WVDC +85°C	Mallory Number	Case Size
30	6	TAP306U006POA	A
140	6	TAP147U006POB	B
20	10	TAP206U010POA	A
100	10	TAP107U010POB	B
250	10	TAP257U010POC	C
15	15	TAP156U015POA	A
70	15	TAP706U015POB	B
170	15	TAP177U015POC	C
10	25	TAP106U025POA	A
8	30	TAP805U030POA	A
40	30	TAP406U030POB	B
100	30	TAP107U030POC	C
7	35	TAP705U035POA	A
30	40	TAP306U040POB	B
5	50	TAP505U050POA	A
25	50	TAP256U050POB	B
60	50	TAP606U050POC	C
4	60	TAP405U060POA	A
20	60	TAP206U060POB	B
50	60	TAP506U060POC	C
3.5	75	TAP355U075POA	A
15	75	TAP156U075POB	B
40	75	TAP406U075POC	C
2	90	TAP205U090POA	A
11	90	TAP116U090POB	B
30	90	TAP306U090POC	C

•Liquid Electrolytic Tantalum Capacitors CTL

CTL TANTALUM ELECTROLYTIC CAPACITORS

The CTL is a miniature, polarized, sintered tantalum anode, liquid electrolyte capacitor. These capacitors, available in three case sizes, exhibit high MFD-Volt rating to volume ratios. The CTL capacitors are equivalent to styles TLS except they come in copper alloy cases instead of silver. Tol.: $\pm 20\%$. Oper. Temp.: -55°C to $+85^{\circ}\text{C}$ (with full rated voltage) -55°C to $+125^{\circ}\text{C}$ (with proper voltage derating). See bulletin 4-610 for details.



Mft. Type No.	Cap (μFD)	WVDC		Case Size	Net Each
		At $+85^{\circ}\text{C}$	At $+125^{\circ}\text{C}$		
CTL686M006P1A	68	6	4	A	\$3.08
CTL567M006P1C	560	6	4	C	5.60
CTL476M010P1A	47	10	7	A	3.08
CTL187M010P1B	180	10	7	B	4.36
CTL156M015P1A	15	15	10	A	3.08
CTL127M015P1B	120	15	10	B	4.36
CTL177M015P1C	170	15	10	C	5.60
CTL277M015P1C	270	15	10	C	5.60
CTL106M025P1A	10	25	15	A	3.08
CTL226M025P1A	22	25	15	A	3.08
CTL107M025P1B	100	25	15	B	4.36
CTL187M025P1C	180	25	15	C	5.60
CTL805M030P1A	8	30	20	A	3.08
CTL156M030P1A	15	30	20	A	3.08
CTL406M030P1B	40	30	20	B	4.36
CTL107M030P1C	100	30	20	C	5.60
CTL157M030P1C	150	30	20	C	5.60
CTL505M050P1A	5	50	30	A	3.08

Mft. Type No.	Cap (μFD)	WVDC		Case Size	Net Each
		At $+85^{\circ}\text{C}$	At $+125^{\circ}\text{C}$		
CTL106M050P1A	10	50	30	A	\$3.08
CTL256M050P1B	25	50	30	B	4.36
CTL476M050P1B	47	50	30	B	4.36
CTL826M050P1C	82	50	30	C	5.60
CTL405M060P1A	4	60	40	A	3.08
CTL396M060P1B	39	60	40	B	4.36
CTL506M060P1C	50	60	40	C	5.60
CTL355M075P1A	3.5	75	50	A	3.08
CTL685M075P1A	6.8	75	50	A	3.08
CTL156M075P1B	15	75	50	B	4.36
CTL336M075P1B	33	75	50	B	4.36
CTL566M075P1C	56	75	50	C	5.60
CTL255M100P1A	2.5	100	65	A	3.08
CTL226M100P1B	22	100	65	B	4.36
CTL436M100P1C	43	100	65	C	5.60
CTL365M125P1A	3.6	125	85	A	3.08
CTL146M125P1B	14	125	85	B	4.36

CL64/65 Liquid Electrolytic Tantalum Capacitors

MIL-C-3965 CL64/65 MINIATURE METAL CASE WET-SLUG TANTALUM CAPACITORS (TLS)

Mallory CL64/65 (TLS) sintered anode tantalums have high MFD-VOLT (C/V) Ratios. CL64 exhibits very high performance and very low DCL.

Temperature range -55°C to $+85^{\circ}\text{C}$ and to $+125^{\circ}\text{C}$ with derating. Tolerances: $\pm 5\%$ (J); $\pm 10\%$ (K); $\pm 20\%$ (M). Types listed are in plain, uninsulated case; for insulating sleeve specify CL65 and add 5¢ to prices shown. Complete specifications are given in bulletin 4-71.

CL64/65, -55°C TO $+85^{\circ}\text{C}$ (Voltage derated to 125°C)

Cap., mfd	WVDC At $+85^{\circ}\text{C}$	WVDC At $+125^{\circ}\text{C}$	Mallory Number	Case Size
30	6	4	CL64BB300*PE	T1
68	6	4	CL64BB680*PE	T1
270	6	4	CL64BB271*PE	T2
560	6	4	CL64BB561*PE	T3
430	8	5	CL64BC431*PE	T3
20	10	7	CL64BD200*PE	T1
47	10	7	CL64BD470*PE	T1
100	10	7	CL64BD101*PE	T2
180	10	7	CL64BD181*PE	T2
250	10	7	CL64BD251*PE	T3
390	10	7	CL64BD391*PE	T3
15	15	10	CL64BE150*PE	T1
33	15	10	CL64BE330*PE	T1
120	15	10	CL64BE121*PE	T2
170	15	10	CL64BE171*PE	T3
270	15	10	CL64BE271*PE	T3
10	25	15	CL64BG100*PE	T1
22	25	15	CL64BG220*PE	T1
100	25	15	CL64BG101*PE	T2
180	25	15	CL64BG181*PE	T3
8	30	20	CL64BH080*PE	T1
15	30	20	CL64BH150*PE	T1
40	30	20	CL64BH400*PE	T2
68	30	20	CL64BH680*PE	T2
100	30	20	CL64BH101*PE	T3
150	30	20	CL64BH151*PE	T3
5	50	30	CL64BJ050*PE	T1
10	50	30	CL64BJ100*PE	T1

Cap., mfd	WVDC At $+85^{\circ}\text{C}$	WVDC At $+125^{\circ}\text{C}$	Mallory Number	Case Size
25	50	30	CL64BJ250*PE	T2
47	50	30	CL64BJ470*PE	T2
60	50	30	CL64BJ600*PE	T3
82	50	30	CL64BJ820*PE	T3
4	60	40	CL64BK040*PE	T1
8.2	60	40	CL64BK82*PE	T1
20	60	40	CL64BK200*PE	T2
39	60	40	CL64BK390*PE	T2
50	60	40	CL64BK500*PE	T3
68	60	40	CL64BK680*PE	T3
3.5	75	50	CL64BL3R5*PE	T1
6.8	75	50	CL64BL6R8*PE	T1
15	75	50	CL64BL150*PE	T2
33	75	50	CL64BL330*PE	T2
40	75	50	CL64BL400*PE	T3
56	75	50	CL64BL560*PE	T3
2.5	100	65	CL64BN2R5*PE	T1
4.7	100	65	CL64BN4R7*PE	T1
11	100	65	CL64BN110*PE	T2
22	100	65	CL64BN220*PE	T2
30	100	65	CL64BN300*PE	T3
43	100	65	CL64BN430*PE	T3
1.7	125	85	CL64BP1R7*PE	T1
3.6	125	85	CL64BP3R6*PE	T1
9	125	85	CL64BP090*PE	T2
14	125	85	CL64BP140*PE	T2
25	125	85	CL64BP250*PE	T3

* Specify tolerance:
J = $\pm 5\%$; K = $\pm 10\%$; M = $\pm 20\%$.

CTL, CL64/65 CASE SIZE CHART

Case Size CTL CL64/65	Uninsulated Dia.	Uninsulated Lgth.	Insulated Dia.	Insulated Lgth.
A T1	.188"	.453"	.219"	.485"
B T2	.281"	.641"	.313"	.672"
C T3	.375"	.766"	.406"	.797"

CONTACT YOUR LOCAL MALLORY
DISTRIBUTORS FOR CL64/65 PRICES.

Military Type CLR65

Established Reliability MIL-C-39006 Style CLR65 sintered anode tantalum capacitors. Hermetically-sealed with plastic insulating sleeve. Constructed to detail MIL-C-39006/9D. Sintered anode wet slug construction manufactured, stored and marked in compliance with MIL-STD-790. Available thru failure rate level "P".

Ordering Information: Indicate CLR65, then specify 4-digit number which corresponds with desired tolerance and failure rate level.

Example: CLR658001

Consult your local Mallory Distributor for price information.

Cap. uF	Cap. tolerance percent	Rated voltage (+85°C) volts, dc	Part No. M39006/09D			MIL Case size
			Failure rate level (%/1,000 hr)			
			L(2.0%)	M(1.0%)	P(0.1%)	
30	±20	6	8001	8206	8411	T1
30	±10	6	8002	8207	8412	T1
30	±5	6	8003	8208	8413	T1
68	±20	6	8004	8209	8414	T1
68	±10	6	8005	8210	8415	T1
68	±5	6	8006	8211	8416	T1
140	±20	6	8007	8212	8417	T2
140	±10	6	8008	8213	8418	T2
140	±5	6	8009	8214	8419	T2
270	±20	6	8010	8215	8420	T2
270	±10	6	8011	8216	8421	T2
270	±5	6	9012	8217	8422	T2
330	±20	6	8013	8218	8423	T3
330	±10	6	8014	8219	8424	T3
330	±5	6	8015	8220	8425	T3
560	±20	6	8016	8221	8426	T3
560	±10	6	8017	8222	8427	T3
560	±5	6	8018	8223	8428	T3
1200	±20	6	8019	8224	8429	T4
1200	±10	6	8020	8225	8430	T4
25	±20	8	8021	8226	8431	T1
25	±10	8	8022	8227	8432	T1
25	±5	8	8023	8228	8433	T1
56	±20	8	8024	8229	8434	T1
56	±10	8	8025	8230	8435	T1
56	±5	8	8026	8231	8436	T1
220	±20	8	8027	8232	8437	T2
220	±10	8	8028	8233	8438	T2
220	±5	8	8029	8234	8439	T2
430	±20	8	8030	8235	8440	T3
430	±10	8	8031	8236	8441	T3
430	±5	8	8032	8237	8442	T3
850	±20	8	8033	8238	8443	T4
850	±10	8	8034	8239	8444	T4
20	±20	10	8035	8240	8445	T1
20	±10	10	8036	8241	8446	T1
20	±5	10	8037	8242	8447	T1
47	±20	10	8038	8243	8448	T1
47	±10	10	8039	8244	8449	T1
47	±5	10	8040	8245	8450	T1
100	±20	10	8041	8246	8451	T2
100	±10	10	8042	8247	8452	T2
100	±5	10	8043	8248	8453	T2
180	±20	10	8044	8249	8454	T2
180	±10	10	8045	8250	8455	T2
180	±5	10	8046	8251	8456	T2
250	±20	10	8047	8252	8457	T3
250	±10	10	8048	8253	8458	T3
250	±5	10	8049	8254	8459	T3
390	±20	10	8050	8255	8460	T3
390	±10	10	8051	8256	8461	T3
390	±5	10	8052	8257	8462	T3
750	±20	10	8053	8258	8463	T4
750	±10	10	8054	8259	8464	T4
15	±20	15	8055	8260	8465	T1
15	±10	15	8056	8261	8466	T1
15	±5	15	8057	8262	8467	T1
33	±20	15	8058	8263	8468	T1
33	±10	15	8059	8264	8469	T1
33	±5	15	8060	8265	8470	T1
70	±20	15	8061	8266	8471	T2
70	±10	15	8062	8267	8472	T2
70	±5	15	8063	8268	8473	T2
120	±20	15	8064	8269	8474	T2
120	±10	15	8065	8270	8475	T2
120	±5	15	8066	8271	8476	T2
170	±20	15	8067	8272	8477	T3
170	±10	15	8068	8273	8478	T3
170	±5	15	8069	8274	8479	T3
270	±20	15	8070	8275	8480	T3
270	±10	15	8071	8276	8481	T3

Cap. uF	Cap. tolerance percent	Rated voltage (+85°C) volts, dc	Part No. M39006/09D			MIL Case size
			Failure rate level (%/1,000 hr)*			
			L(2.0%)	M(1.0%)	P(0.1%)	
270	±5	15	8072	8277	8482	T3
540	±20	15	8073	8278	8483	T4
540	±10	15	8074	8279	8484	T4
10	±20	25	8075	8280	8485	T1
10	±10	25	8076	8281	8486	T1
10	±5	25	8077	8282	8487	T1
22	±20	25	8078	8283	8488	T1
22	±10	25	8079	8284	8489	T1
22	±5	25	8080	8285	8490	T1
100	±20	25	8081	8286	8491	T2
100	±10	25	8082	8287	8492	T2
100	±5	25	8083	8288	8493	T2
180	±20	25	8084	8289	8494	T3
180	±10	25	8085	8290	8495	T3
180	±5	25	8086	8291	8496	T3
350	±20	25	8087	8292	8497	T3
350	±10	25	8088	8293	8498	T3
8	±20	30	8089	8294	8499	T1
8	±10	30	8090	8295	8500	T1
8	±5	30	8091	8296	8501	T1
15	±20	30	8092	8297	8502	T1
15	±10	30	8093	8298	8503	T1
15	±5	30	8094	8299	8504	T1
40	±20	30	8095	8300	8505	T2
40	±10	30	8096	8301	8506	T2
40	±5	30	8097	8302	8507	T2
68	±20	30	8098	8303	8508	T2
68	±10	30	8099	8304	8509	T2
68	±5	30	8100	8305	8510	T2
100	±20	30	8101	8306	8511	T3
100	±10	30	8102	8307	8512	T3
100	±5	30	8103	8308	8513	T3
150	±20	30	8104	8309	8514	T3
150	±10	30	8105	8310	8515	T3
150	±5	30	8106	8311	8516	T3
300	±20	30	8107	8312	8517	T4
300	±10	30	8108	8313	8518	T4
5	±20	50	8109	8314	8519	T1
5	±10	50	8110	8315	8520	T1
5	±5	50	8111	8316	8521	T1
10	±20	50	8112	8317	8522	T1
10	±10	50	8113	8318	8523	T1
10	±5	50	8114	8319	8524	T1
25	±20	50	8115	8320	8525	T2
25	±10	50	8116	8321	8526	T2
25	±5	50	8117	8322	8527	T2
47	±20	50	8118	8323	8528	T2
47	±10	50	8119	8324	8529	T2
47	±5	50	8120	8325	8530	T2
60	±20	50	8121	8326	8531	T3
60	±10	50	8122	8327	8532	T3
60	±5	50	8123	8328	8533	T3
82	±20	50	8124	8329	8534	T3
82	±10	50	8125	8330	8535	T3
82	±5	50	8126	8331	8536	T3
160	±20	50	8127	8332	8537	T4
160	±10	50	8128	8333	8538	T4
4	±20	60	8129	8334	8539	T1
4	±10	60	8130	8335	8540	T1
4	±5	60	8131	8336	8541	T1
8.2	±20	60	8132	8337	8542	T1
8.2	±10	60	8133	8338	8543	T1
8.2	±5	60	8134	8339	8544	T1
20	±20	60	8135	8340	8545	T2
20	±10	60	8136	8341	8546	T2
20	±5	60	8137	8342	8547	T2
39	±20	60	8138	8343	8548	T2
39	±10	60	8139	8344	8549	T2
39	±5	60	8140	8345	8550	T2
50	±20	60	8141	8346	8551	T3
50	±10	60	8142	8347	8552	T3

CONTINUED →

Military Type CLR65

Cap. uF	Cap. tolerance percent	Rated voltage (+ 85°C) volts, dc	Part No. M39006/09D			MIL Case size
			Failure rate level (%/1,000 hr)			
			L(2.0%)	M(1.0%)	P(0.1%)	
50	±5	60	8143	8348	8553	T3
68	±20	60	8144	8349	8554	T3
68	±10	60	8145	8350	8555	T3
68	±5	60	8146	8351	8556	T3
140	±20	60	8147	8352	8557	T4
140	±10	60	8148	8353	8558	T4
3.5	±20	75	8149	8354	8559	T1
3.5	±10	75	8150	8355	8560	T1
3.5	±5	75	8151	8356	8561	T1
6.8	±20	75	8152	8357	8562	T1
6.8	±10	75	8153	8358	8563	T1
6.8	±5	75	8154	8359	8564	T1
15	±20	75	8155	8360	8565	T2
15	±10	75	8156	8361	8566	T2
15	±5	75	8157	8362	8567	T2
33	±20	75	8158	8363	8568	T2
33	±10	75	8159	8364	8569	T2
33	±5	75	8160	8365	8570	T2
40	±20	75	8161	8366	8571	T3
40	±10	75	8162	8367	8572	T3
40	±5	75	8163	8368	8573	T3
56	±20	75	8164	8369	8574	T3
56	±10	75	8165	8370	8575	T3
56	±5	75	8166	8371	8576	T3
110	±20	75	8167	8372	8577	T4
110	±10	75	8168	8373	8578	T4
2.5	±20	100	8169	8374	8579	T1
2.5	±10	100	8170	8375	8580	T1
2.5	±5	100	8171	8376	8581	T1
4.7	±20	100	8172	8377	8582	T1
4.7	±10	100	8173	8378	8583	T1
4.7	±5	100	8174	8379	8584	T1
11	±20	100	8175	8380	8585	T2

Cap. uF	Cap. tolerance percent	Rated voltage (+ 85°C) volts, dc	Part No. M39006/09D			MIL Case size
			Failure rate level (%/1,000 hr)			
			L(2.0%)	M(1.0%)	P(0.1%)	
11	±10	100	8176	8381	8586	T2
11	±5	100	8177	8382	8587	T2
22	±20	100	8178	8383	8588	T2
22	±10	100	8179	8384	8589	T2
22	±5	100	8180	8385	8590	T2
30	±20	100	8181	8386	8591	T3
30	±10	100	8182	8387	8592	T3
30	±5	100	8183	8388	8593	T3
43	±20	100	8184	8389	8594	T4
43	±10	100	8185	8390	8595	T4
43	±5	100	8186	8391	8596	T4
86	±20	100	8187	8392	8597	T4
86	±10	100	8188	8393	8598	T4
1.7	±20	125	8189	8394	8599	T1
1.7	±10	125	8190	8395	8600	T1
1.7	±5	125	8191	8396	8601	T1
3.6	±20	125	8192	8397	8602	T1
3.6	±10	125	8193	8398	8603	T1
3.6	±5	125	8194	8399	8604	T1
9	±20	125	8195	8400	8605	T2
9	±10	125	8196	8401	8606	T2
9	±5	125	8197	8402	8607	T2
14	±20	125	8198	8403	8608	T2
14	±10	125	8199	8404	8609	T2
14	±5	125	8200	8405	8610	T2
18	±20	125	8201	8406	8611	T3
18	±10	125	8202	8407	8612	T3
18	±5	125	8203	8408	8613	T3
25	±20	125	8204	8409	8614	T3
25	±10	125	8205	8410	8615	T3
25	±5	125	9026	9029	9032	T3
56	±20	125	9027	9030	9033	T4
56	±10	125	9028	9031	9034	T4

• Military Type CLR69

Extended Range Established Reliability MIL-C-39006 Style CLR69 sintered anode tantalum capacitors. Hermetically-sealed with plastic insulating sleeve. Constructed to detail MIL-C-39006/21. Sintered anode wet slug construction available thru failure rate level "M".

Ordering Information: Indicate CLR69, then specify 4-digit number which corresponds with desired tolerance and failure rate level.

Example: CLR690001

Consult your local Mallory Distributor for price information.

Cap.	Cap. Tolerance	Rated Voltage (85°C)	Part No. M39006/21	Failure rate level (1%/1,000 hr)	MIL Case size
uF	percent	volts, dc	L(2.0%)	M(1.0%)	
220	±20	6	0001	0089	T1
220	±10	6	0002	0090	T1
820	±20	6	0003	0091	T2
820	±10	6	0004	0092	T2
1500	±20	6	0005	0093	T3
1500	±10	6	0006	0094	T3
2200	±20	6	0007	0095	T4
2200	±10	6	0008	0096	T4
180	±20	8	0009	0097	T1
180	±10	8	0010	0098	T1
680	±20	8	0011	0099	T2
680	±10	8	0012	0100	T2
1500	±20	8	0013	0101	T3
1500	±10	8	0014	0102	T3
1800	±20	8	0015	0103	T4
1800	±10	8	0016	0104	T4
150	±20	10	0017	0105	T1
150	±10	10	0018	0106	T1
560	±20	10	0019	0107	T2
560	±10	10	0020	0108	T2
1200	±20	10	0021	0109	T3
1200	±10	10	0022	0110	T3
1500	±20	10	0023	0111	T4
1500	±10	10	0024	0112	T4
100	±20	15	0025	0113	T1
100	±10	15	0026	0114	T1

Cap.	Cap. Toler- ance	Rated Voltage (85°C)	Part No. M39006/21 Failure rate level L(2.0%)	(1%/1,000 hr) M(1.0%)	MIL Case size
<i>uF</i>	percent	volts, dc			
390	±20	15	0027	0115	T2
390	±10	15	0028	0116	T2
820	±20	15	0029	0117	T3
820	±10	15	0030	0118	T3
1000	±20	15	0031	0119	T4
1000	±10	15	0032	0120	T4
68	±20	25	0033	0121	T1
68	±10	25	0034	0122	T1
270	±20	25	0035	0123	T2
270	±10	25	0036	0124	T2
560	±20	25	0037	0125	T3
560	±10	25	0038	0126	T3
680	±20	25	0039	0127	T4
680	±10	25	0040	0128	T4
56	±20	30	0041	0129	T1
56	±10	30	0042	0130	T1
220	±20	30	0043	0131	T2
220	±10	30	0044	0132	T2
470	±20	30	0045	0133	T3
470	±10	30	0046	0134	T3
560	±20	30	0047	0135	T4
560	±10	30	0048	0136	T4
33	±20	50	0049	0137	T1
33	±10	50	0050	0138	T1
120	±20	50	0051	0139	T2
120	±10	50	0052	0140	T2
270	±20	50	0053	0141	T3
270	±10	50	0054	0142	T3
330	±20	50	0055	0143	T4
330	±10	50	0056	0144	T4
27	±20	60	0057	0145	T1
27	±10	60	0058	0146	T1
100	±20	60	0059	0147	T2
100	±10	60	0060	0148	T2

•Military Type CLR69

Cap.	Cap. Tolerance	Rated Voltage (85°C)	Part No. M39006/21	Failure rate level (1%/1,000 hr)	MIL Case size
μF	percent	volts, dc	L(2.0%)	M(1.0%)	
220	±20	60	0061	0149	T3
220	±10	60	0062	0150	T3
270	±20	60	0063	0151	T4
270	±10	60	0064	0152	T4
22	±20	75	0065	0153	T1
22	±10	75	0066	0154	T1
82	±20	75	0067	0155	T2
82	±10	75	0068	0156	T2
180	±20	75	0069	0157	T3
180	±10	75	0070	0158	T3
220	±20	75	0071	0159	T4
220	±10	75	0072	0160	T4
10	±20	100	0073	0161	T1
10	±10	100	0074	0162	T1
39	±20	100	0075	0163	T2
39	±10	100	0076	0164	T2
68	±20	100	0077	0165	T3
68	±10	100	0078	0166	T3

Cap.	Cap. Tolerance	Rated Voltage (85°C)	Part No. M39006/21	Failure rate level (1%/1,000 hr)	MIL Case size
μF	percent	volts, dc	L(2.0%)	M(1.0%)	
120	±20	100	0079	0167	T4
120	±10	100	0080	0168	T4
6.8	±20	125	0081	0169	T1
6.8	±10	125	0082	0170	T1
27	±20	125	0083	0171	T2
27	±10	125	0084	0172	T2
47	±20	125	0085	0173	T3
47	±10	125	0086	0174	T3
82	±20	125	0087	0175	T4
82	±10	125	0088	0176	T4

CL65 AND CLR69 CASE SIZE CHART

CLR65 & CLR69 Case Code	Dia. (max.)	Case Sizes	Lgth. (max.)
T1	.219"		.485"
T2	.313"		.672"
T3	.406"		.797"
T4	.406"		1.093"

Polar wet slug tantalum capacitor ideal for miniature circuits. This line offers much higher CV product per unit volume than other wet slug and solid types. Sealed in copper alloy case that's closed on an elastomer end seal. Anode lead-weld joint and end seal are protected by epoxy resin encapsulation. Oper. temp.: -55° to +85° T. Tol.: ±20%. For details see bulletin 4-609.

CMT CASE SIZE CHART

Case Size	Length	Diameter
D	.300	.115
A	.403	.115
B	.600	.145
C	.778	.225

CMT TANTALUM ELECTROLYTE CAPACITORS

Mfd. Type No.	Cap. (μF)	WVDC (volts)	Case Size	Net Each
CMT156M006P1D	15	6	D	\$2.84
CMT476M006P1A	47	6	A	2.84
CMT157M006P1B	150	6	B	3.32
CMT187M006P1B	180	6	B	3.32

Mfd. Type No.	Cap. (μF)	WVDC (volts)	Case Size	Net Each
CMT457M006P1C	450	6	C	\$4.76
CMT106M010P1D	10	10	D	2.84
CMT306M010P1A	30	10	A	2.84
CMT107M010P1B	100	10	B	3.32
CMT127M010P1B	120	10	B	3.32
CMT307M010P1C	300	10	C	4.76
CMT206M015P1A	20	15	A	2.84
CMT706M015P1B	70	15	B	3.32
CMT806M015P1B	80	15	B	3.32
CMT207M015P1C	200	15	C	4.76
CMT685M020P1D	6.8	20	D	2.84
CMT156M020P1A	15	20	A	2.84
CMT506M020P1B	50	20	B	3.32
CMT606M020P1B	60	20	B	3.32
CMT157M020P1C	150	20	C	4.76
CMT605M030P1D	6	30	D	2.84
CMT106M030P1A	10	30	A	2.84
CMT456M030P1B	45	30	B	3.32
CMT127M030P1C	120	30	C	4.76
CMT475M035P1D	4.7	35	D	2.84

Mfd. Type No.	Cap. (μF)	WVDC (volts)	Case Size	Net Each
CMT905M035P1A	9.0	35	A	\$2.84
CMT107M035P1C	100	35	C	4.76
CMT125M050P1D	1.2	50	D	2.84
CMT305M050P1D	3.0	50	D	2.84
CMT450M050P1D	4.0	50	D	2.84
CMT685M050P1A	6.8	50	A	2.84
CMT306M050P1B	30	50	B	3.32
CMT686M050P1C	68	50	C	4.76
CMT786M050P1C	78	50	C	4.76
CMT105M060P1D	1	60	D	2.84
CMT205M060P1D	2	60	D	2.84
CMT335M060P1D	3.3	60	D	2.84
CMT405M060P1A	4.0	60	A	2.84
CMT565M060P1A	5.6	60	A	2.84
CMT106M060P1B	10	60	B	3.32
CMT156M060P1B	15	60	B	3.32
CMT226M060P1B	22	60	B	3.32
CMT336M060P1C	33	60	C	4.76
CMT506M060P1C	50	60	C	4.76
CMT686M060P1C	68	60	C	4.76

MTP ULTRA-MINIATURE

MTP capacitors have higher capacity-voltage product per unit volume than any conventional wet slug, foil or solid tantalum line. This size factor makes these capacitors very desirable for applications with thin film, integrated and other micro-electronic circuits. An additional advantage of the wet slug construction is the absence of the familiar catastrophic failure mode of solid tantalum devices. Operating Temp.: -50°C to +85°C. Toler.: ±20%. DCL is extremely low. See bulletin 4-606 for details.

MTP CASE SIZE CHART

Case Size	Length	Diameter
D	.300	.115
A	.403	.115
B	.600	.145
C	.778	.225

MTP INDUSTRIAL NET PRICES

Case Size	10-24	25-49	50-99	100-499	500-999
A	\$2.85	\$2.51	\$2.19	\$1.88	\$1.60
B	3.42	3.01	2.63	2.27	1.93
C	3.98	3.50	3.06	2.63	2.23
D	2.83	2.49	2.17	1.86	1.59

MTP Miniature Tantalum Capacitors

MTP TYPES

mfd	WVDC	Mallory Number	Size
15	6	MTP156M006P1D	D
47	6	MTP476M006P1A	A
150	6	MTP157M006P1B	B
180	6	MTP187M006P1B	B
450	6	MTP457M006P1C	C
470	6	MTP477M006P1C	C
10	10	MTP106M010P1D	D
33	10	MTP336M010P1A	A
100	10	MTP107M010P1B	B
120	10	MTP127M010P1B	B
300	10	MTP307M010P1C	C
330	10	MTP337M010P1C	C
22	15	MTP226M015P1A	A
68	15	MTP686M015P1B	B
80	15	MTP806M015P1B	B
200	15	MTP207M015P1C	C
220	15	MTP227M015P1C	C
6.8	20	MTP685M020P1D	D
15	20	MTP156M020P1A	A
47	20	MTP476M020P1B	B
60	20	MTP606M020P1B	B
150	20	MTP157M020P1C	C

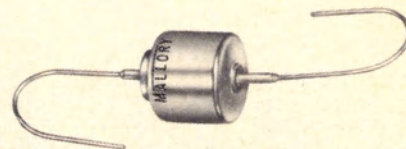
MTP TYPES

mfd	WVDC	Mallory Number	Size
6	30	MTP605M030P1D	D
10	30	MTP106M030P1A	A
45	30	MTP456M030P1B	B
120	30	MTP127M030P1C	C
4.7	35	MTP475M035P1D	D
10	35	MTP106M035P1A	A
100	35	MTP107M035P1C	C
4	50	MTP405M050P1D	D
6.8	50	MTP685M050P1A	A
30	50	MTP306M050P1B	B
33	50	MTP336M050P1B	B
68	50	MTP686M050P1C	C
78	50	MTP786M050P1C	C
3.3	60	MTP335M060P1D	D
4.7	60	MTP475M060P1A	A
6.8	60	MTP685M060P1A	A
10	60	MTP106M060P1B	B
15	60	MTP156M060P1B	B
22	60	MTP226M060P1B	B
33	60	MTP336M060P1C	C
47	60	MTP476M060P1C	C
68	60	MTP686M060P1C	C

Liquid Electrolyte Tantalum Capacitors

Mallory high temperature capacitors are furnished in hermetically sealed metal cases and are wet-slug polarized types. XTM-A types have axial leads. All XTL, H and V types are available in a wide variety of terminal arrangements on special request. These XTL capacitors are also available

in these same ratings and styles to meet Military requirements that are called out in MIL-C-39006, Military approved parts are available in failure rates L, M and P. For detailed specifications, ask for bulletin 4-84.



XTM —55°C to +85°C (200°C with proper voltage derating, see Bulletin 4-84) Tolerance: —15, +50%

Cap., (mfd)	WVDC +85°C	Mallory Number *	XTM "A" Configuration		
			Net Each, Lots of		
			1-24	25-49	50-99
8	180	XTM805T180POA	\$11.98	\$11.19	\$10.83
5	270	XTM505T270POA	15.68	14.64	14.21
4	360	XTM405T360POA	19.61	18.30	17.75

* Suffix A indicates commercial equivalent to MIL-C-39006/18, Style CLR10. Also available to MIL-C-3965, Style CL10 and CL13.

XTH —55°C to +85°C (200°C with proper voltage derating, see Bulletin 4-84) Tolerance: —15, +75%

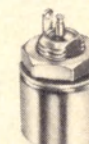
Cap., (mfd)	WVDC +85°C	Mallory Number *	XTH "C" Configuration		
			Net Each, Lots of		
			1-24	25-49	50-99
150	30	XTH157U030POC	\$11.25	\$10.51	\$10.22
80	60	XTH806U060POC	11.25	10.51	10.22
50	90	XTH506U090POC	11.25	10.51	10.22
25	180	XTH256U180POC	17.91	16.70	16.24
16	270	XTH166U270POC	24.78	23.13	22.46
12	360	XTH126U360POC	31.54	29.44	28.56
10	450	XTH106U450POC	38.18	35.64	34.58



* Suffix C indicates commercial equivalent to MIL-C-39006/19, Style CLR14. Also available to MIL-C-3965, Style CL14 and CL16.

XTL —55°C to +85°C (200°C with proper voltage derating, see Bulletin 4-84) Tolerance: —15, +75%

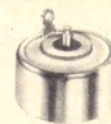
Cap., (mfd)	WVDC +85°C	Mallory Number *	XTL "C" Configuration		
			Net Each, Lots of		
			1-24	25-49	50-99
40	60	XTL406U060POC	\$ 9.97	\$ 9.30	\$ 9.06
25	90	XTL256U090POC	9.97	9.30	9.06
12	180	XTL126U180POC	14.98	13.99	13.59
8	270	XTL805U270POC	21.20	18.87	18.32
6	360	XTL605U360POC	25.60	23.91	23.20
5	450	XTL505U450POC	31.09	29.03	28.18
4	540	XTL405U540POC	36.18	33.76	32.77
3.5	630	XTL355U630POC	41.51	38.73	37.60



* Suffix C indicates commercial equivalent to MIL-C-39006/19, Style CLR14. Also available to MIL-C-3965, Style CL14 and CL16.

XTV —55°C to +85°C (200°C with proper voltage derating, see Bulletin 4-84) Tolerance: —15, +50%

Cap., (mfd)	WVDC +85°C	Mallory Number *	XTV "C" Configuration		
			Net Each, Lots of		
			1-24	25-49	50-99
650	30	XTV657T030POC	\$36.37	\$33.95	\$33.19
1300	30	XTV138T030POC	52.70	49.19	48.11
350	60	XTV357T060POC	36.37	33.95	33.19
700	60	XTV707T060POC	52.70	49.19	48.11
120	90	XTV127T090POC	23.66	22.09	21.60
220	90	XTV227T090POC	36.37	33.95	33.19
450	90	XTV457T090POC	52.70	49.19	48.11



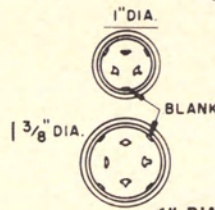
* Suffix C indicates commercial equivalent to MIL-C-39006/20, Style CLR17. Also available to MIL-C-3965, Style CL17 and CL18.

Capacitor Hardware and Data

FP-WP

FP-WP AND PFP-PWP SIZES

*Key	Dia.	Lght.	*Key	Dia.	Lght.	*Key	Dia.	Lght.
B	1"	2"	G	1 3/8"	2 1/2"	L	1"	1 1/2"
C	1"	2 1/2"	H	1 3/8"	3"	M	1"	1 3/4"
D	1"	3"	I	1 3/8"	4"	N	1 3/8"	4 1/2"
E	1"	4"	J	1 3/8"	3 1/2"	R	1 3/8"	1 3/4"
F	1 3/8"	2"	K	1"	3 1/2"	S	1 3/8"	5"



Standard Terminal Lug Sequence

1" DIAMETER	1 3/8" DIAMETER
SINGLE = — BLANK SINGLE = — BLANK	QUAD = — HIGH V.
DUAL = — HIGH V. DUAL = — HIGH V.	— HIGH V.
— LOW V.	— MED. V.
TRIPLE = — HIGH V. TRIPLE = — HIGH V.	— LOW V.
— MED. V.	— MED. V.
— LOW V.	— LOW V.

For identical voltages use above sequence based on capacity

MOUNTING AND MECHANICAL DETAILS

FP series capacitors are available in two diameters: 1", and 1 3/8". Lengths and mounting hardware are shown below. Chassis punch details are shown to the right. Use BP (phenolic) or MP (metal) plates where direct chassis layout is not desired.

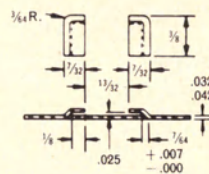
Size Code	Size, Inches Dia. x Lght.	HARDWARE				
		BP or MP	CE	TH	PS	VR
B	1 x 2	4	3	23	4	1
C	1 x 2 1/2	4	7	23	4	1
D	1 x 3	4	4	23	4	1
E	1 x 4	4	8	23	4	1
F	1 3/8 x 2	6	5	25	6	3
G	1 3/8 x 2 1/2	6	9	25	6	3
H	1 3/8 x 3	6	6	25	6	3
I	1 3/8 x 4	6	10	25	6	3
J	1 3/8 x 3 1/2	6	12	25	6	3
K	1 x 3 1/2	4	11	23	4	1
L	1 x 1 1/2	4	2	23	4	1
M	1 x 1 3/4	4	13	23	4	1
N	1 3/8 x 4 1/2	6	—	25	6	3
P	1 3/8 x 1 1/2	4	5	25	6	3
Q	1 x 2 3/8	6	7	23	4	1
R	1 3/8 x 1 3/4	6	5	25	6	3
S	1 3/8 x 5	6	—	25	6	3

*TH clips shown for bare cans only.

INSULATING SLEEVES—Closed end cardboard tubes used to insulate metal can where shock potential is present. Tubes add 3/32" to can base diameter and 3/16" to overall height.

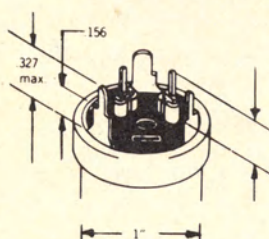
HORIZONTAL MOUNTING

CLIPS—Use TH clips for fast, easy assembly without tools. Punch chassis as shown. Clips slide into, then lock in place. Will pass vibration test. May be riveted to chassis if desired (hole is 1/8" dia.).

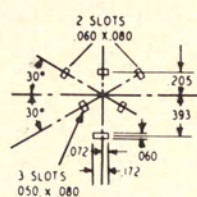


PLUG-IN SOCKETS — Provide plug-in convenience for standard FP-WP capacitors. Blank ear must be removed from capacitor to insure polarization. PSC4 retainer clip available to positively lock 1" capacitor in PS4.

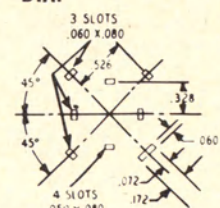
PFP-PWP MOUNTING DETAILS



1" DIA.



1 3/8" DIA.



Prices and specifications subject to change without notice.

• NEW PRODUCT

CONTINUED

Capacitor Hardware and Data

CAPACITOR MOUNTING CLAMPS FOR HC-NP, PSU, CG AND CGS

No.	Fig.	A	B	C
VR3	1	1 3/8"	1 25/32"	2 7/32"
VR4	1	1 1/2"	1 15/16"	2 11/32"
VR6	2	1 3/4"	2 1/4"	2 9/16"
VR8	2	2"	2 1/2"	2 13/16"
VR10	2	2 1/2"	3"	3 5/16"
VR12	3	3"	3 1/16"	3 13/16"

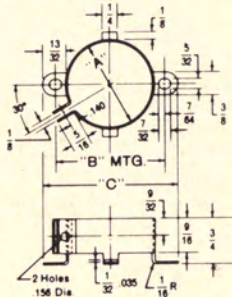


FIGURE 1

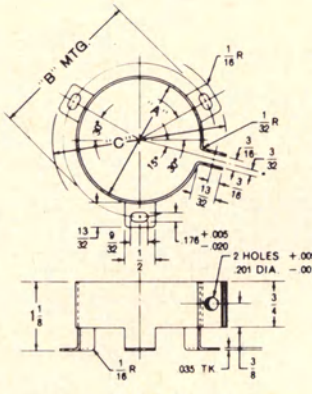


FIGURE 2

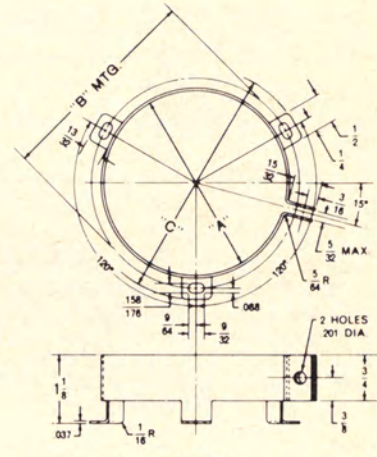
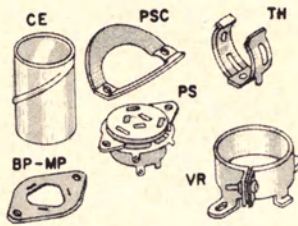


FIGURE 3

Type VR mounting clamps are accessory items not furnished with the capacitor. They are used to mount CG, CGS, and HC-NP types in the vertical position. Standard finish is .0001" (nom.) cadmium plate. For other sizes see listing below. Add suffix "B" to part number if clamp only, less screw and nut, is desired.

FP-WP BASIC HARDWARE

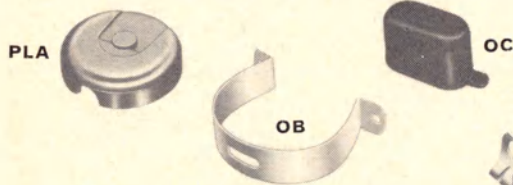


BP (phenolic) and MP (metal) Series: Mounting plates for FP-WP capacitors.
PS Series: Plug-in sockets for FP-WP.
VR Series: Clamps fit all can types.
TH Series: Clips for tubular and can types.
CE Series: Cardboard insulating tubes for FP, etc.

HC-NP BASIC HARDWARE CAP, BRACKET AND CLAMP FOR HC AND NP CAPACITORS

Code	Size In. Dia. x Lg.	Use Hardware No. for Cap	Brkt.	Clamp
1	1 1/16 x 2 3/4	PL3, PLA3	HB2	VR3
2	1 1/16 x 3 3/8	PL3, PLA3	HB4	VR3
3	1 1/16 x 4 3/8	PL3, PLA3	HB8	VR3
4	1 13/16 x 3 3/8	PL6, PLA6	HB4	VR6
5	1 13/16 x 4 3/8	PL6, PLA6	HB8	VR6
6	2 1/16 x 3 3/8	PL8, PLA8	HB4	VR8
7	2 1/16 x 4 3/8	PL8, PLA8	HB8	VR8
8	1 1/2 x 4 3/8			VR4

CAPACITOR HARDWARE PRICES



Mallory No.	Size, In.	Net Each
BP4	1	\$0.24
BP6	1 3/8	.24
MP4	1	.29
MP6	1 3/8	.29
PS4	1	1.59
PS6	1 3/8	1.86
TH13	3/8	.15
TH15	1/2	.15
TH17	5/8	.15
TH19	3/4	.15
TH21	7/8	.15
TH23	1	.15
TH25	1 3/8	.24
CE2	1 x 1 1/2	.24
CE3	1 x 2	.24
CE4	1 x 3	.24
CE5	1 3/8 x 2	.24
CE6	1 3/8 x 3	.24
CE7	1 x 2 1/2	.24
CE8	1 x 4	.24
CE9	1 3/8 x 2 1/2	.24
CE10	1 3/8 x 4	.24
CE11	1 x 3 1/2	.24
CE12	1 3/8 x 3 1/2	.24
CE13	1 x 1 3/4	.24

Mallory No.	Description	Cap., Size, In.	List Each
PL3	End cap—wire in	1 1/16	\$0.40
PL6	End cap—wire in	1 13/16	.48
PL8	End cap—wire in	2 1/16	.55
PL10	End cap—wire in	2 5/16	.64
PLA3	End cap—wire out	1 1/16	.40
PLA6	End cap—wire out	1 13/16	.48
PLA8	End cap—wire out	2 1/16	.55
PLA10	End cap—wire out	2 5/16	.64
HB2	Horiz. bracket	3 1/4*	.55
HB4	Horiz. bracket	3 3/4*	.55
HB8	Horiz. bracket	4 1/4*	.64
(WITH SCREW & NUT)			
VR1	Vert. mtg. clamp	1-1 1/16	\$0.64
VR3	Vert. mtg. clamp	1 3/8-1 13/16	.64
VR4	Vert. mtg. clamp	1 1/2-1 13/16	.67
VR6	Vert. mtg. clamp	1 3/4-1 13/16	.72
VR8	Vert. mtg. clamp	2-2 1/16	.81
VR10	Vert. mtg. clamp	2 1/2-2 1/16	.85
VR12	Vert. mtg. clamp	3-3 1/8	.99
(WITHOUT SCREW & NUT)			
VR1B	Vert. mtg. clamp	1-1 1/16	\$0.27
VR3B	Vert. mtg. clamp	1 3/8-1 13/16	.31

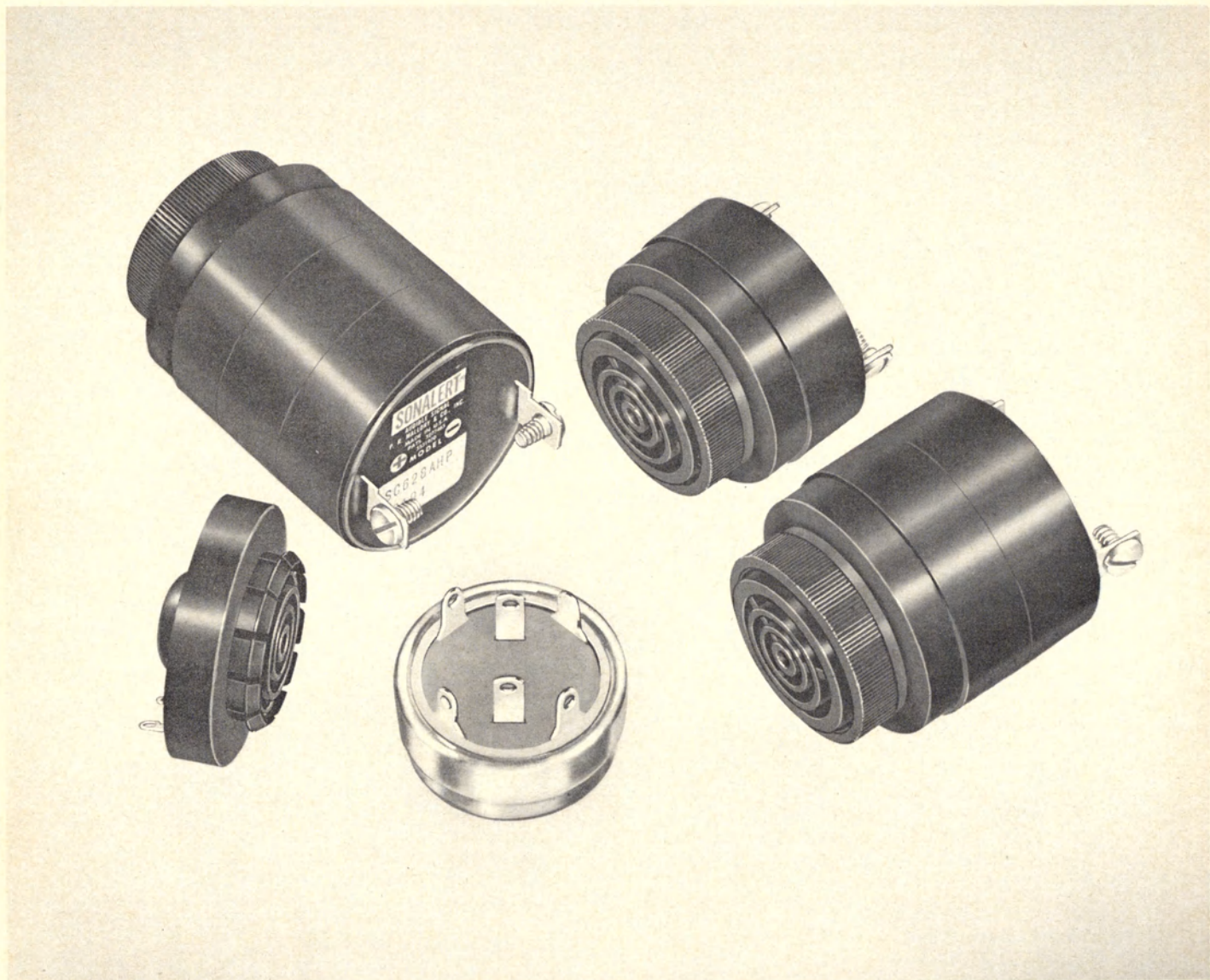
Mallory No.	Description	Cap., Size, In.	List Each
(WITHOUT SCREW & NUT)			
VR4B	Vert. mtg. clamp	1 1/2-1 13/16	\$0.35
VR6B	Vert. mtg. clamp	1 3/4-1 13/16	.43
VR8B	Vert. mtg. clamp	2-2 1/16	.45
VR10B	Vert. mtg. clamp	2 1/2-2 1/16	.58
VR12B	Vert. mtg. clamp	3-3 1/8	.66
VRSCREW	Vert. mtg. clamp screws for VR-B's		.03
VRNUT	Vert. mtg. clamp nuts for VR-B's		.02
MTG clamps for OP & OPR Capacitors:			
OB1	Fits Can Size	2 5/32 x 2 27/32	\$0.48
OB2	Fits Can Size	1 5/16 x 2 5/32	.48
OB3	Fits Can Size	1 31/32 x 3 21/32	.48
OB4	Fits Can Size	1 29/32 x 2 29/32	.48
OC1	Terminal cover for single section OP and OPR Capacitors		\$0.48
PSUA	10 term. adapters		\$1.57
PSU274	12" leads; quick disconnect terminals (Box of 2)		1.57
PSU275	24" leads; quick disconnect terminals (Box of 2)		2.47
PSU515	12" leads; 1 quick-disc. term; 1 eye-let (Box of 2)		1.05

*Capacitor length; all others diameter.

SONALERT® Audible Signals

Mallory Sonalert signals produce an audible tone by electronic means. Four tone frequencies, three loudness levels and seven modes or rhythms, may be combined to produce 26 distinctive and useful sounds. For a gentle reminder, a Sonalert signal with a soft soothing tone or a pleasant chime may be used. A more urgent message can be delivered by a louder Sonalert signal pulsing or beeping for attention. To signal an emergency or to cut through heavy background noise, a very loud blast of sound is available.

Sonalert signals may be powered by any electrical source ranging from single cell batteries to industrial powerlines. They require very little electrical power making them ideally suitable for portable battery operated equipment. The low power feature allows the Sonalert signal to be turned on or off with a low power transistor, SCR, or integrated circuit. Construction is completely solid state with no moving parts, no arcing, and no mechanical wear. Electrical and audio specifications are on following page.



SONALERT® HARDWARE PRICES

For Use With Case Style	Part Number	Description	Resale Each
A	BP6	Uninsulated Mount	\$0.14
A	MP6	Insulated Mount	.17
B	PW1	Compression Washer	.03
B	PW2	Compression Washer	.05
B	PW3	Compression Washer	.07
C, D, E	BNR1	Black Aluminum Nut	.65
C, D, E	CNR1	Clear Aluminum Nut	.31
C, D, E	PNR1	Black Plastic Nut	.31

CONTINUED →

• NEW PRODUCT

Prices and specifications subject to change without notice.

SONALERT® Audio and Electrical Specifications

Part & Model Number	Frequency ± 500Hz	Minimum Sound Level dBA At Two Feet		Operating Voltage Min Max		Typical Operating Current MA		Notes	Case Style Code	Dealer Net Price 1-24	
D.C. Only											
Continuous Tone SC1.5 SC6 SC12 SC18 SC24 SNP428 SNP428F SC616N SC628 SC628D SC628E SC628F SC628H SC628L SC648 SC648D SC648H	3500	60 @ 1.5V		1	4	4 @ 1.5V		A	A	\$5.98	
	3500	70 @ 6V		4	8	12 @ 6V				A	5.98
	3500	70 @ 12V		8	15	14 @ 12V				A	5.98
	3500	70 @ 18V		14	22	16 @ 18V				A	5.98
	3500	70 @ 24V		20	30	16 @ 24V				A	5.98
			At Min V	At Max V			At Min V	At Max V			
	SNP428	2900	64	78	4	28	1.8	14	B	5.23	
	SNP428F	2900	55	70	4	28	.5	3	B	5.23	
	SC616N	2900	80	95	6	16	4	16	C	8.68	
	SC628	2900	68	80	6	28	3	14	C	6.20	
	SC628D	1900	60	75	6	28	3	14	C	7.19	
	SC628E	1900	55	68	6	28	3	8	C	7.19	
	SC628F	2900	55	70	6	28	.5	3	C	6.20	
	SC628H	4500	68	80	6	28	3	14	C	7.19	
SC628L	2900	68	80	6	28	3	14	C-3	6.20		
SC648	2900	68	80	10	48	3	14	C	7.88		
SC648D	1900	60	75	10	48	3	14	C	7.19		
SC648H	4500	68	80	10	48	3	14	C	7.19		
Fast Pulse Slow Pulse											
SC616NP SC616NJ	2900	80	95	6	16	4	16	A	C	\$9.92	
SC616P SC616J	2900	68	78	6	16	1	4		C-1	9.92	
SC616P-1 SC616J-1	2900	68	78	6	16	1	4		C-2	9.92	
SC628P SC628J	2900	68	80	6	28	3	14		D	11.24	
SC628DP SC628DJ	1900	60	75	6	28	3	14		D	12.23	
SC628EP SC628EJ	1900	55	68	6	28	3	8	A	D	12.23	
SC628FP SC628FJ	2900	55	70	6	28	3	14		D	11.24	
SC628HP SC628HJ	4500	68	80	6	28	3	14		D	12.23	
Fast Warble Slow Warble											
SC628W SC628JW	2900	68	80	6	28	3	16		D-1	\$12.29	
SC628FW SC628FJW	2900	55	70	6	28	3	14		D-1	12.29	
Repeating Chime SC616CP	2900	68	80	6	16	3	8		D	\$9.92	
AC/DC (Non-Polar)											
Continuous Tone SC628A SC110 SC110D SC110E SC110F SC110H SC110N SC250	2900	68	80	6	28	4	16	C	D	\$9.92	
	2900	68	80	30	120	4	16		D	9.92	
	1900	60	75	30	120	4	16		BCD	D	10.92
	1900	55	65	30	120	3	14		BCD	D	10.92
	2900	55	70	30	120	1	4		BCD	D	9.92
	4500	68	80	30	120	4	16	BCD	D	10.92	
	2900	80	95	30	120	8	28	BC	D	11.24	
	2900	68	80	60	250	4	16	D	D	10.71	
	Fast Pulse Slow Pulse										
	SC628AP SC628AJ	2900	68	80	6	28	4	16	A CD	E	\$14.96
SC110P SC110J	2900	68	80	30	120	4	16	E		14.96	
SC110DP SC110DJ	1900	60	75	30	120	4	16	BCD		E	15.96
SC110EP SC110EJ	1900	55	68	30	120	3	14	B D		E	15.96
SC110FP SC110FJ	2900	55	70	30	120	4	16	AB D		E	14.96
SC110HP SC110HJ	4500	68	80	30	120	4	16	BCD		E	15.96
SC110NP SC110NJ	2900	80	95	30	120	8	28	BC		E	14.96

Slow Pulse Models turn on and off at .5 to 2Hz depending upon voltage at 50% duty cycle.

Note A — Short Pulse Models turn on and off at .5 to 1.5Hz depending upon voltage at 10% duty

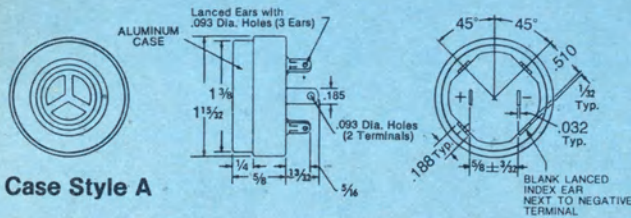
Note B — For 6-28V AC/

Note D = For 60-250V AC/DC operation substitute 250 for 110 in part number. Example: SC250HP

ALL PART NUMBERS ARE STOCK ITEMS

NEW PRODUCT

OUTLINE DIMENSIONS
FRACTIONS $\pm 1/32$ DECIMALS $\pm .01$

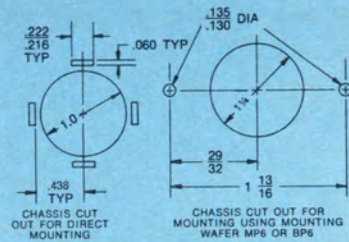
FRACTIONS $\pm 1/32$ DECIMALS $\pm .01$ 

Case Style A

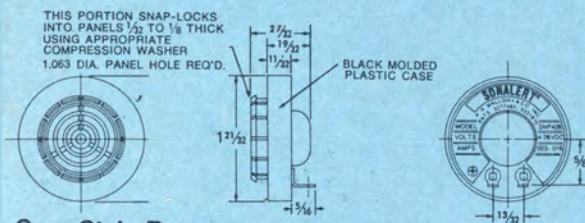
Terminals—.032 steel, tin plated with .093 dia. wire hole, will accept standard 3/16" quick disconnect.



BP6 BAKELITE
MOUNTING WAFER



Mounting—Four lanced twist mount ears per EIA std. RS395 are provided for mounting. Terminals are electrically isolated from case and mounting ears. Also may be mounted using mounting wafer number MP6 for uninsulated mounting or mounting wafer number BP6 to insulate case from chassis.

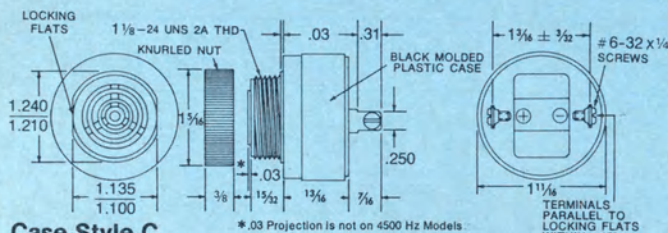
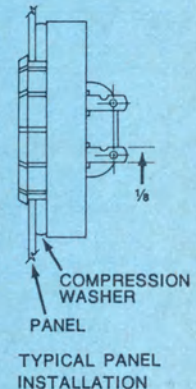


Case Style B

Terminals—.016 brass, hot tin finish with .076 wire hole. Terminal will accept standard 1/8" quick disconnect.

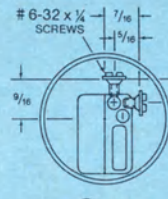
Mounting—Panel hole $1.063 \pm .005$ diameter should be punched from the back side so that locking fingers enter on the slightly rounded edge of the hole. Assemble proper compression washer and press into panel hole until locking fingers snap over hole edge. Installation pressure should be applied only at the circumference of the device.

PANEL THICKNESS	COMPRESSION WASHER NO.
11-12 GA. (.125-.109)	PW1
13-17 GA. (.093-.056)	PW2
18-22 GA. (.050-.031)	PW3

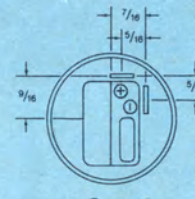


Case Style C

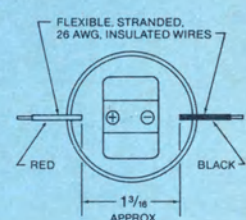
*.03 Projection is not on 4500 Hz Models



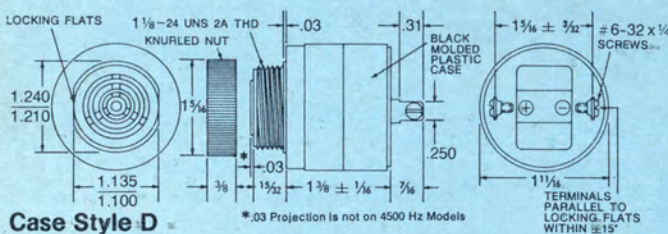
Case
Style C-1



Case
Style C-2

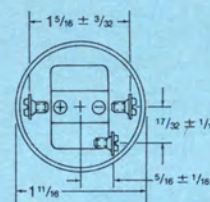


**Case
Style C-3**



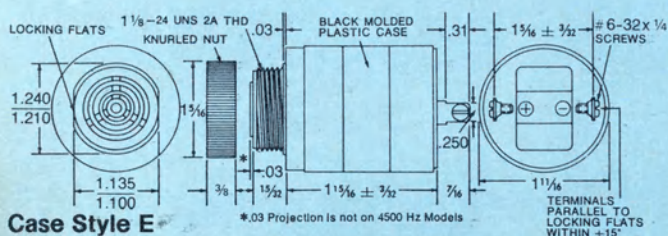
Case Style D

*.03 Projection is not on 4500 Hz Model.



Case Style D-1

Terminals—.032 brass, tin plated, tapped for #6-32 screw. Two #6-32 cadmium or zinc plated steel screws included. Will accept standard 1/4" quick disconnect.



Case Style E

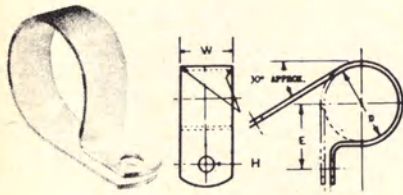
*.03 Projection is not on 4500 Hz Models

Mounting—Remove black plastic nut and insert threaded front through 1.25" hole punched in panel. If orientation is needed, note locking flats on drawing. Screw nut back on. Do not overtighten. To substitute natural finished aluminum nut add C to catalog number. To substitute black anodized aluminum nut add B to catalog number. Example: —SC628B.

Mallory-Richco Fastening Devices

MALLORY-RICHCO fastening devices are durable yet economical and they are convenient to use. This line consists of clamps, clips, wire saddles, ties spacers, cable hangers and circuit board supports, guides and accessories. Whenever you are working with electrical or electronic components and accessories you will find a MALLORY-RICHCO fastening device makes the job easier for you. For prices in quantities of less than 100, consult your local Mallory distributor.

The Standard Package is 100 Piece Box; however, 1000 Pieces Per Box Also Available.



• 3/8" WIDE NYLON CABLE CLAMPS

Part No.	Inside Dia. D	Nylon Thickness E	Hole H	Price Per 100
N1	1/8	.045	.275	\$3.13
N2	1/8	.045	.312	3.21
N3	3/16	.045	.275	3.40
N4	1/4	.045	.275	3.68
N5	3/16	.045	.312	4.08
N6	3/8	.045	.312	4.29
N7	1/2	.045	.312	4.56
N8	1/2	.045	.312	4.85

• 1/2" WIDE NYLON CABLE CLAMPS

Part No.	Inside Dia. D	Nylon Thickness E	Hole H	Price Per 100
N2B	1/8	.045	.275	\$4.74
N3B	3/16	.045	.275	5.82
N4B	1/4	.045	.275	6.39
N5B	3/16	.045	.312	6.78
N6B	3/8	.045	.312	7.56
N7B	1/2	.045	.312	7.66
N8B	1/2	.045	.312	8.00
N9B	1/2	.045	.312	8.03
N10B	1/2	.045	.312	8.43
N11B	1/2	.045	.312	9.16
N12B	3/4	.045	.312	10.00
N14B	7/8	.045	.312	10.85
N16B	1	.045	.312	12.22
N18B	1 1/8	.045	.312	12.95
N19B	1 1/4	.045	.312	13.90
N20B	1 1/2	.045	.312	14.65
N24B	1 1/2	.045	.312	20.27

• VINYL DIPPED ALUMINUM CABLE CLAMPS

Part No.	Inside Dia. D	Aluminum Thickness E	Hole H	Price Per 100
NE3	3/16	.032	.171	\$11.98
NE4	1/8	.032	.171	12.11
NE5	3/16	.032	.171	12.31
NE6	1/4	.032	.171	12.76
NE7	3/16	.032	.185	13.31
NE8	1/2	.032	.185	13.74
NE9	3/8	.032	.185	14.28
NE10	1/2	.032	.185	14.71
NE11	1/2	.032	.185	15.58
NE12	3/4	.032	.185	22.50
NE14	7/8	.032	.185	23.37
NE16	1	.032	.185	23.91
NE18	1 1/8	.032	.185	24.67
NE20	1 1/2	.032	.185	26.63

• FLAT CABLE CLAMPS

Designed expressly for holding flat flexible cable, ribbon cable, etc. — firmly in position. Made of high dielectric, self-extinguishing PVC. Peel off the Mylar backing from the clamp's two legs, and press over the cable.

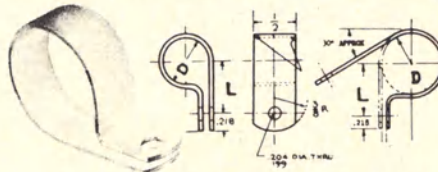
Cat. No.	Clamp Width L	Cable Width W	Clamp Thick. T	Holding Thick. G	100 Pkg. Price
FCC43	1 1/2	1/2	3/32	3/32	\$12.64
FCC83	2	1	3/32	3/32	13.86
FCC163	3	2	3/32	3/32	14.44
FCC243	4	3	3/32	3/32	14.85



• NYLON CABLE HANGERS

Safe, fast way to secure cable or hose. Designed to secure cables, wire harnesses, tubing or hose to panels or walls of electrical, electronic, automotive or mechanical equipment.

Catalog Number	Holding Capacity	100 Package Price
CH1N	1.75"	\$2.95
CH2N	2.75"	3.29
CH3N	3.75"	4.74

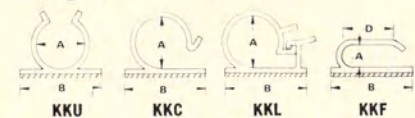


• ETHYL CELLULOSE PLASTIC CLAMP

Ethocel combines light weight and chemical resistance with excellent shock resisting properties in a temperature range from 185°F. to -40°F. Excellent electrical properties. Approved 7-21-44 Army-Navy Aeronautical AN742.

Cat. No.	For Use With Rod O.D.	Dia.	L	Mat. Thick-ness	100 Pkg. Price
E2	1/8	.125	0.328		\$2.09
E3	3/16	.188	0.390		2.15
E4	1/4	.250	0.421		2.29
E5	3/16	.313	0.453		2.34
E6	3/8	.375	0.483		2.62
E7	1/2	.438	0.531		2.95
E8	1/2	.500	0.562		3.14
E9	3/4	.563	0.625		3.90
E10	3/4	.625	0.610		4.05
E11	1 1/8	.688	0.666		4.88
E12	3/4	.750	0.765		5.11
E14	7/8	.875	0.812		5.76
E16	1	1.000	0.906		6.22
E18	1 1/8	1.125	0.968		6.59
E19	1 1/4	1.188	1.025		6.81
E20	1 1/2	1.250	1.156		7.00

* .055 ±.005 over ribs when applicable



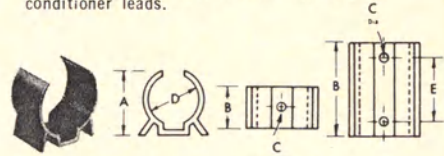
• KWIK-KLIP

No holes to bore. No screws to fasten — Just strip off the protective backing and press KWIK-KLIP in place — it will stay there permanently. For anchoring cable, tubing, pipe or rod up to 1/2" in diameter. Made from strong but resilient PVC plastic — elastic enough to receive cable, tubing, etc. — but strong and firm to hold it securely.

• KWIK-KLIP (Contd)

Cat. No.	Dia. of Part to be Held A	Length B	D	100 Pkg. Price
KKU2	1/8	3/4	3/4	\$10.87
KKU4	1/4	3/4	3/4	12.37
KKU6	3/8	3/4	3/4	13.83
KKU8	1/2	1	1	15.33
KKU12	3/4	1	1	21.85
KKC2	1/8	3/4	3/4	10.90
KKC4	1/4	3/4	3/4	12.35
KKC5	3/8	3/4	3/4	13.05
KKC6	3/8	3/4	3/4	13.79
KKC8	1/2	1	1	15.33
KKC12	3/4	1	1	21.85
KKL4	1/4	3/4	3/4	13.08
KKL8	1/2	1	1	16.48
KKL12	3/4	1	1	23.69
KKF10x4*	5/8 x 1/4	3/4	3/4	16.28

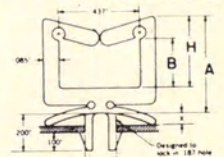
* Made especially to hold 3 wire leads, e.g. air conditioner leads.



• COMPONENT CLIPS

Component clips are used for fastening and insulating a wide variety of electrical and electronic components. They permit fast and easy insertion, hold firmly, yet allow easy removal. Typical applications are capacitors, resistors, lamps, batteries, and fuses. Black vinyl plastic. The floor of the clip is pierced for screws or other fastening devices.

Part No.	Dia. of Part to be Held D	Hgt. A	Lgth. B	Dia. of Hole C	100 Pkg. Price
V1000	1/4	13/32	1/2	3/32	\$8.05
V1001	3/16	15/32	1/2	3/32	8.23
V1002	3/8	1/2	1/2	3/32	8.37
V1003	1/2	1/2	1/2	3/32	8.53
V1004	1/2	5/8	1/2	3/32	8.73
V1006	5/8	5/8	1/2	3/32	9.18
V1007	1 1/8	3/4	1/2	3/32	10.09
V1008	3/4	7/8	1/2	3/32	10.39
V1009	7/8	1	1/2	3/32	10.70
V1010	1	1 1/8	1 1/8	3/32	12.47
V1011	1 1/8	1 1/2	1 1/8	3/32	14.16
V1024	1 1/2	1 3/4	1 3/4	3/32	18.46



• WIRE SADDLES

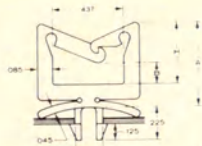
Used to channel a group or bundle of wires over a given course. This may be done to avoid components that operate at dangerously high temperatures or that would react unfavorably to the proximity of other electrical currents. Or they may be used solely for the sake of orderly arrangement. Wire Saddles are available with a regular tip which may be removed or a permanent locking barbed arrow tip. Both easily snap into position into punched or drilled holes .187 in diameter.

Cat. No.	Cat. No.	Dim. H	Dim. A	Dim. B	100 Pkg. Price
WS1NA	WS1N	3/8	.510	.225	\$2.72
WS2NA	WS2N	2 7/16	.715	.450	2.80
WS3NA	WS3N	1 5/8	1.070	.800	4.12
WS4NA	WS4N	1 1/4	1.390	1.120	4.12

CONTINUED

Mallory-Richco Fastening Devices

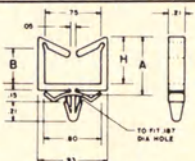
- LOCKING WIRE SADDLE



For same use as "WS" series wire saddles, except wires or cable are locked into position by gently squeezing sides to engage spring action lapped-grooves.

Cat. No.	Dim. H	Dim. A	Dim. B	100 Pkg. Price
LWS1NA	$\frac{3}{8}$	.510	.135	\$2.96
LWS2NA	$\frac{37}{64}$	.715	.340	3.06
LWS3NA	$\frac{13}{16}$	1.070	.695	4.12
LWS4NA	$1\frac{1}{4}$	1.390	1.015	4.46

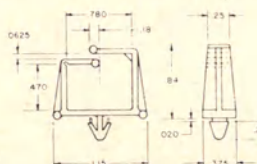
- **WIDE WIRE SADDLE**



An extra wide wire saddle made of high dielectric nylon. Handling loads up to $\frac{3}{4}$ " wide. It features a unique preloading shoulder for easier insertion and lasting stability and a locking tip which snaps into a .187" dia. hole. The tip expands upon insertion to lock permanently. It cannot loosen or fall out.

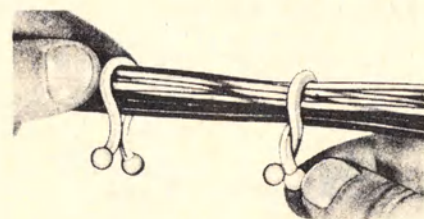
Part No. Nylon	Dim. A	Dim. B	Dim. H	100 Lot Price
WWS2NA	.77	.50	.64	\$4.62
WWS3NA	1.12	.85	.99	5.20

- EXTRA WIDE WIRE SADDLE (LOCKING)



For same use as "WWS" series except top gates of saddle tension-lap to lock bundle in place.

Cat. No. RWWS2NA, Pkg. Price Per 100	\$4.58
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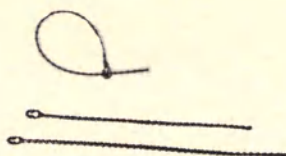


• TWIST-LOK® TIES

Slip bundle of wires into the tie, then twist the ends together with a flick of the fingers. The TWIST-LOK locks in place and holds your wire bundle securely and firmly. To open, another flick of the fingers releases the tie instantly — ready to be used again.

Cat. No.	Approx. Overall Height	Wire Bundle Diameter	100 Pkg. Price
TL250	.900	.200-.300	\$2.12
TL350	1.032	.300-.400	2.29
TL450	1.200	.400-.500	2.44
TL750	1.550	.700-.800	2.95

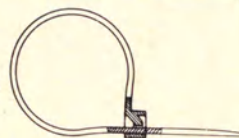
- E-Z WIRE TIES



Wrap around wire bundle, thread end through loop, pull it tight and lock in place. Wires may be added to bundle by releasing tie and refastening.

Cat. No.	Length	Color	100 Pkg. Price
EZ2	5	White	\$4.06
EZ3	6	White	5.11
EZ4	5	Red	2.09
EZ5	5	Yellow	2.12
EZ6	5	Blue	2.12
EZ7	6	Red	3.43
EZ8	6	Yellow	3.43
EZ9	6	Blue	3.43
EZ10	4	Red	1.67
EZ11	4	Yellow	1.68
EZ12	4	Blue	1.68
EZ14	10	Red	4.88
EZ15	10	Yellow	4.93
EZ16	10	Blue	4.93
EZ17	10	White	8.22
EZ18	4	White	3.65
EZ19	8	White	6.61
EZ21	8	Yellow	3.94
EZ22	8	Blue	3.94

- **WRAP-IT TIES**

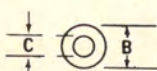


Flexible WRAP-IT TIES — precision molded of high strength, self-extinguishing, fungus inert virgin Nylon. Wrap easily around wire/cable bundles. The tapered tail is inserted by hand into the ties self-locking head. Uniform gripping serrations allow convenient "pull through" down to the bundle where the strap locks to eliminate slippage. While WRAP-IT TIES are serviceable at temperatures to 275°F., maximum life and strength is attained at temperatures below 185°F.

Part No.	Bundle Dia.	Length Overall	Minimum Tensile Strength	100 Pkg. Price
WIT18R	3/4	3 3/4	18 lb.	\$3.29
WIT30R	1 1/4	5 3/4	30 lb.	4.44
WIT50S	1 1/4	5 1/4	50 lb.	4.77
WIT30L	1 3/4	7 1/2	30 lb.	5.58
WIT50R	1 3/4	7 7/8	50 lb.	5.32
WIT60R	2 3/4	10	60 lb.	9.73
WIT50L	4	15	50 lb.	12.08
WIT120R	4	15	120 lb.	19.79
WIT250R	6	24 1/4	250 lb.	63.00

- PLASTIC SPACERS

Tough, rigid, strong and low cost. High temperature resistant (225°F), polyvinyl dichloride.



Screw Size	Dim. B	Dim. C
No. 4	$\frac{1}{4}$	.120
No. 6	$\frac{1}{4}$	.147
No. 8	$\frac{1}{4}$	.175
No. 10	$\frac{3}{8}$	.200

A Dimensions, Catalog Numbers and Price

$\frac{3}{4}$ " A	100 Pkg. Price	$\frac{3}{8}$ " A	100 Pkg. Price	$\frac{1}{2}$ " A	100 Pkg. Price
SS4-2	\$3.03	SS4-3	\$3.18	SS4-4	\$3.26
SS6-2	2.92	SS6-3	3.26	SS6-4	3.35
SS8-2	2.92	SS8-3	3.14	SS8-4	3.29
SS10-2	2.88	SS10-3	3.10	SS10-4	3.26
$\frac{3}{8}$ " A		$\frac{3}{4}$ " A		1" A	
SS4-5	3.29	SS4-6	3.40	SS4-8	3.60
SS6-5	3.57	SS6-6	3.65	SS6-8	4.01
SS8-5	3.40	SS8-6	3.57	SS8-8	3.94
SS10-5	3.43	SS10-6	3.60	SS10-8	4.01

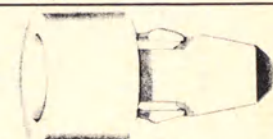
- **HEX SPACER-STANDOFFS**

For use with self-tapping screws. Made from P.V.D.C. Good mechanical strength, low moisture absorption. Resistant to chemicals.

For #4 Screw		100	For #6 Screw		100
Cat. No.	Length	Pkg. Price	Cat. No.	Length	Pkg. Price
HS43	½	\$2.54	HS64	½	\$3.48
HS44	¾	3.07	HS65	¾	3.71
HS45	¾	3.26	HS66	¾	3.98
HS46	¾	3.43	HS67	¾	4.25
HS47	¾	3.60	HS68	1	4.52
HS48	1	3.79			

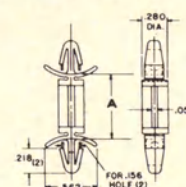
For #8 Screw		100
Cat. No.	Length	Pkg. Price
HS85	5/8	\$4.93
HS86	3/4	5.43
HS87	7/8	5.94
HS88	1	6.44

- SPACER NUT



A remarkable expanding nut that spaces, insulates and fastens. Punch a $\frac{3}{4}$ " sq. hole in the bottom board and insert the spacer nut with finger tip pressure. Two legs hold it firmly in position. Drill a hole for a #8 self-tapping screw in the top board and place it over the spacer nut. Insert the screw and tighten. As you do, the two legs on the spacer expand and the nut shaft rises up into the spacer body for sure, secure fastening — automatically spaced in your choice of six heights.

Part No.	Nominal Spacing	100 Pkg. Price
SN125	.125	\$3.32
SN187	.187	3.40
SN250	.250	3.53
SN312	.312	3.60
SN375	.375	4.25
SN500	.500	5.00



Part No.	Nom. Dim. A
DLCBS3N	$\frac{3}{16}$
DLCBS4N	$\frac{1}{4}$
DLCBS6N	$\frac{3}{8}$
DLCBS8N	$\frac{1}{2}$
DLCBS10N	$\frac{5}{8}$
DLCBS12N	$\frac{3}{4}$
DLCBS14N	$\frac{7}{8}$

- DUAL LOCKING CIRCUIT BOARD SPACER

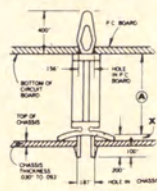
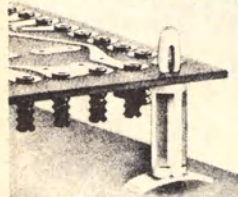
Seven sizes, rigid and rugged nylon spacers will space two boards from $\frac{3}{8}$ " to $\frac{7}{8}$ " apart — either vertically or horizontally. The spacer simply compression-snaps into .156" dia. hole on the two boards to be joined and spaced. Once inserted, the "Barbed Arrow" locking tips expand for permanent fastening on both boards to maintain the desired spacing.

Part No.	100 Pkg. Price	Part No.	100 Pkg. Price
DLCBS3N	\$4.32	DLCBS10N	\$5.52
DLCBS4N	4.58	DLCBS12N	5.87
DLCBS6N	4.66	DLCBS14N	6.22
DLCBS8N	5.16		

Mallory-Richco Fastening Devices

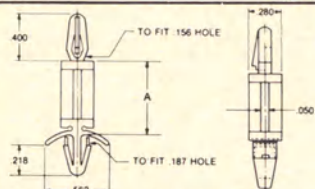
• CIRCUIT BOARD SUPPORTS

Designed to hold printed circuits in position with sufficient clearance above the chassis for their assembled components. They snap into .187" drilled or punched holes in the chassis where they lock into position securely. Supports lock on any chassis thickness from .030" to .090". They are, however, easily removed for replacement. Made from strong, tough nylon with high dielectric strength.



NOTE: X = 100" MINUS CHASSIS THICKNESS. Add "X" to Dimension "A" for accurate spacing between bottom of circuit board and top of chassis.

Part No.	Dim. A	100 Pkg. Price
CBS3N	3/16	\$3.27
CBS4N	1/4	3.47
CBS6N	5/16	3.64
CBS8N	1/2	3.86
CBS10N	5/8	4.19
CBS12N	3/4	4.46
CBS14N	7/8	6.22

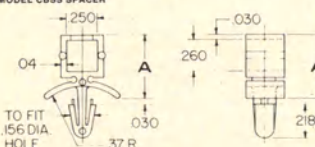


• CIRCUIT BOARD SUPPORTS

Nylon Circuit Board Supports feature a locking tension flange which laps over the board to hold securely in position. Supports up to 100 lbs. No need for tools. An arrow-type locking head snaps into a .187" dia. hole in the chassis where it expands to lock permanently in position. A squeeze of the fingers permits removal of the board from the support for repair or replacement.

Part No.	Dim. A	100 Pkg. Price
LCBS3N	3/16	\$4.08
LCBS4N	1/4	4.34
LCBS6N	5/16	4.56
LCBS8N	1/2	4.90
LCBS10N	5/8	5.24
LCBS12N	3/4	5.58
LCBS14N	7/8	5.94
LCBS16N	1	13.14
LCBS18N	1 1/8	13.44
LCBS20N	1 1/4	13.76
LCBS22N	1 3/8	14.06

MODEL CBSS SPACER

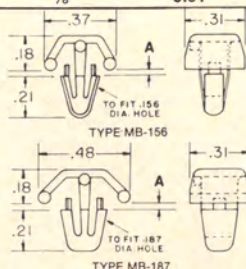


• NYLON CIRCUIT BOARD STACKING SPACERS

Used to stack circuit boards in any number of vertical tiers or side by side rows. Their locking tip snaps through a .156" dia. hole in the board and into the top of the spacer below. The system is completed by inserting nylon capping button MB1156 through the top board to lock it into the spacer below.

• STACKING SPACERS (Contd)

Catalog No.	Nom. Dim. A	100 Pkg. Price
CBSS8N	1/2	\$7.22
CBSS10N	5/8	7.67
CBSS12N	3/4	7.83
CBSS14N	7/8	8.51

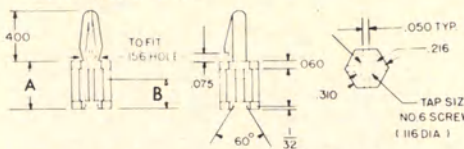


• NYLON SNAP-IN MOUNTING BUTTONS

Use in place of screws, nails or rivets. Simply snap into place and locking tip expands to fasten permanently. Catalog number MB1156 used with CBSS series circuit board stacking spacers.

Catalog Number	Nom. Dim. A	100 Pkg. Price
*MB1156	1/2	\$4.83
MB3156	3/2	4.95
MB5156	5/2	5.05
MB7156	7/2	5.11
MB9156	9/2	5.23
MB11156	11/2	5.33
MB13156	13/2	5.43
MB15156	15/2	5.55
MB17156	17/2	5.67

* MB1156 Stock item. All other MB numbers available on special order.

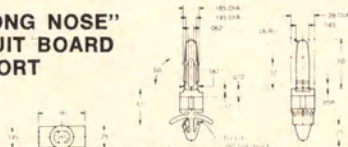


• CIRCUIT BOARD SUPPORT (SCREW FASTENED)

Drive a #6 self-tapping screw directly through the chassis and into the TCBS support. Then snap the circuit board over the top of the support. A tension flange compresses and then springs back to overlap and secure the board. Simply squeeze the end of the support to permit removal of the board for repair or replacement.

Catalog Number	Ref. Dim. A	Ref. Dim. B	100 Pkg. Price
TCBS4N	1/4	13/64	\$7.01
TCBS6N	3/8	1/4	7.11
TCBS8N	1/2	1/4	7.22
TCBS10N	5/8	1/4	7.67
TCBS12N	3/4	1/4	8.02
TCBS14N	7/8	1/4	8.51
TCBS18N	1 1/8	1/4	9.00
TCBS22.5N	1 3/8	1/4	9.30

• "LONG NOSE" CIRCUIT BOARD SUPPORT



The LNCBS extra long .60" tapered tip speeds assembly and makes alignment of connector pins with their sockets accurate and easy.

Catalog Number	Nom. Dim. A	100 Pkg. Price
LNCBS3N	3/16	\$5.24
LNCBS4N	1/4	5.48
LNCBS6N	5/16	5.82
LNCBS8N	1/2	6.17
LNCBS10N	5/8	6.47
LNCBS12N	3/4	6.81
LNCBS14N	7/8	7.22



• CIRCUIT BOARD HOLD DOWN STRIP

Simply snap your circuit board into the channels of two Series BMS hold down strips for quick, secure fastening. These rigid vinyl hold down strips are easy to apply in any position. Just press the self-adhesive base to any material, or tack or staple to wooden surfaces. Available in two styles—for single boards or multiple side-by-side mounting. Accommodate boards of any length or width.

Part Number	Nominal Base Width	Four Foot Length Price
BMS (Single Mount)	1 3/8	\$2.89
BMSD (Double Mount)	1 1/4	3.72

• TENSION CLIPS

Made of CELCON, these clips are strong yet elastic. Designed primarily for holding cables or wires, they can be used to hold a multitude of objects—tubing, pipe, pictures, signs, etc. Because of their elasticity, the objects they hold are easily removed. Available in one size only.

Cat. No. 301. 100 Pkg. Price \$4.37



• HARNESSRAP

This new spiral wrapping provides a readily flexible and strong protection for groups of conductors. Leads can be brought out at any point to make a "tailor-made" harness, strong, secure, tight-fitting. HarnessRAP retains its elasticity and can be removed as easily as it is applied, and reused again and again.

Catalog No.	O.D.	50 Foot Reel
HR125	1/8	\$4.43
HR1875	3/16	6.66
HR250	1/4	8.72
HR375	5/16	17.40
HR500	3/4	28.35

• CIRCUIT BOARD EJECTOR AND PULLER

• **EJECTOR**—Snap into single .109" dia. hole on circuit board. Flared easy-grip tab provides lever action against guide, rack or chassis to eject board. One size fits all boards up to 1/16" thick. Nylon.

Mallory Number	100 Pkg. Price
CBE8	\$18.41

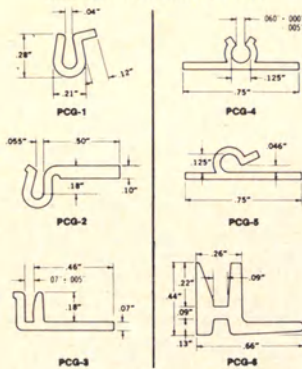
• **PULLER**—Snap into two .125" dia. holes. Curved tab permits firm fingertip grip. Simply pull to withdraw. One size fits all boards up to 1/16" thick. Nylon.

Mallory Number	100 Pkg. Price
CCP1	\$26.21

CONTINUED →

Mallory-Richco Fastening Devices

CROSS SECTION DIMENSIONS (Scale 2:1)



• PRINTED CIRCUIT GUIDES

Made from accurately sized plastic extrusions. For precision placement and alignment of circuit boards.

Catalog Number	Description	Four Foot Length Price
PCG1	No adhesive	\$.90
PCG2	No adhesive	.85
PCG3	Adhesive backing	1.87
PCG4	Adhesive backing	1.93
PCG5	Adhesive backing	2.20
PCG6	No adhesive	.97

• PUSH BUTTON WIRE TIES

Here's a new concept in harness bundling that eliminates screws. Simply press the conical head into a .250" dia. hole, wrap the beaded plastic tie around the harness and insert into slotted strap which is angulated for easy acceptance. The 16 bead five inch tie is adjustable to 16 bundling diameters from .125" to over 1.50". Wires may be substituted, added or removed by loosening the reusable tie and relocating it. Nylon.

Catalog Number	Color	Poly-ethylene	Nylon	100 Pkg. Price
PT200	Red	✓		\$2.80
PT201	Blue	✓		2.80
PT202	Yellow	✓		2.80
PT203	Black	✓		2.92
PT205	Natural	✓		2.92
PT300	Red		✓	4.15
PT301	Blue		✓	4.15
PT302	Yellow		✓	4.15
PT303	Black		✓	4.15
PT305	Natural		✓	4.93



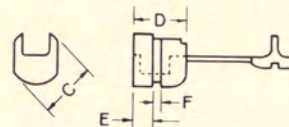
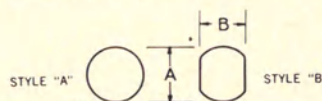
Circuit Board Edge Guide

• CIRCUIT BOARD EDGE GUIDE

Designed to precisely align and support circuit boards, while allowing for easy insertion and removal of the board. Full length finger grip serrations allow for simple hand insertion into a panel hole .175" x .310". The arrow type locking head is self-adjusting to fit panel thicknesses from .03" to .09". Made of durable natural nylon.

Catalog Number	Holding Height Dim.	100 Pkg. Price
CBG1N	1	\$16.04
CBG1.5N	1½	16.20
CBG2N	2	16.35
CBG3N	3	17.07

• STRAIN RELIEF BUSHINGS



Part No.	Wires Accommodated	Approx. Wire Size	A	B	C	D	E	F Max. Panel Thick.	100 Pkg. Price
D3	SP-1, SPT-1 #18/2	.120 x .220	.437	.395	.460	.410	.160	.062	\$3.22
F2	SP-1, SPT-1 #18/2	.11 x .21	.375	.345	.425	.410	.155	.062	2.50
F2-1	XT (Clockwire) #18/2	.09 x .18	.375	.345	.425	.410	.155	.125	2.50
	SP-1, SPT-1 #18/2	.11 x .21							
	XT (Clockwire) #18/2	.09 x .18							
	SP-2, SPT-2 #16/2								
F-4	HPN #16/2	.16 x .30	.515						4.00
	SP-2, SPT-2 #18/2								
	HPN #18/2	.15 x .28		.465	.570	.500	.171	.100	
	HPN #16/3	.16 x .37	.500						
	SPT-2 #18/3	.15 x .34							
F-5	SPT-3 #16/2	.20 x .37	.562	.530	.610	.600	.240	.130	5.58
	SPT-3 #18/2	.18 x .35							
	SPT-3 #16/2	.20 x .37							
	SPT-3 #16/3	.20 x .43							
F-30	SPT-3 #18/2	.19 x .35	.730	.560	.775	.680	.275	.125	6.16
	SPT-3 #18/3	.19 x .39							
	SV, SVT #18/2	.250	.500						
	SV, SVT #18/3	.265	.515	.465	.560	.430	.165	.100	4.00
R-5	HPD #16/2	.290	.515						
	HPD #18/2	.270	.500						
	SJ, SJT, SJO #16/2	.325							
R-6	SJ, SJT, SJO #18/2	.300	.656						
	SJ, SJT, SJO #16/3	.355		.570	.730	.680	.275	.125	6.60
	SJ, SJT, SJO #18/3	.330	.687						
	SJ, SJT, SJO #16/2	.325							
	SJ, SJT, SJO #18/2	.300							
R6-A	SJ, SJT, SJO #18/3	.330	.625	.570	.678	.585	.225	.125	6.60
	SJ, SJT, SJO #18/4	.355							
	SJ, SJT, SJO #16/3	.355							

Dimension in inches

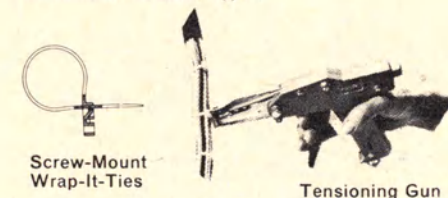
• CONTINUOUS GROMMET

NYLON CONTINUOUS GROMMET protects wires, cables and cords against damage from sharp panel edges. Simply snip to the proper circumferential length and slip it over the panel edge. It fits snugly and securely. Available in solid or serrated lengths, in conveniently packaged 50 ft. lengths.

Specifications and Ordering Information

Part Number and Price				Nom. Dimensions (In.)			Panel Thickness
Solid Lengths		Serrated Lengths					
†Nylon	50 Ft. Price	†Nylon	50 Ft. Price	A	B	C	
NGS-1	\$6.55	NGS-1	\$8.50	.125	.100	.040	To .036 (20 Ga.)
NGS-2	7.55	NGS-2	9.85	.156	.156	.040	.037-.105 (19-12 Ga.)
NGS-3	9.70	NGS-3	12.55	.156	.203	.045	.106-164 (11-8 Ga.)

† Conforms to MIL 22096, Type 4



Screw-Mount Wrap-It-Ties

Tensioning Gun

• SCREW-MOUNT WRAP-IT-TIES

Screw-Mount Wrap-It-Ties — precision mold high strength, self-extinguishing, fungus inert virgin Nylon. Wrap easily around wire/cable bundles. The tapered tail is inserted by hand into the ties self-locking head. Uniform gripping serrations allow convenient "pull through" down to the bundle where the strap locks to eliminate slippage. While WRAP-IT-TIES are serviceable at temperatures to 275°F., maximum life and strength is attained at temperatures below 185°F.

Part Number	Bdl. Dia.	Lgth. OA.	Min. Tensile Strength	Stud Size	100 Pkg. Price
WITS50MS	1¼	6¼	50 lb.	#10	7.69
WITS50MR	1¾	8¼	50 lb.	#10	9.35
WITS50ML	4	15½	50 lb.	#10	16.90
WITS120MR	4	15¾	120 lb.	¼	23.40

• TENSIONING GUN

Lock n' Snip Automatic hand gun ties to pre-set tension and trims off excess. Rugged long life construction, yet lightweight to prevent user fatigue. Designed for use with WIT series. Trims ties flush for neat installations. Deposits waste when trigger is released.

Cat. No. WIT2 Price each \$49.95

• FLAT WIRE TIE HOLDERS

FTH1 is a screw-mount flat wire tie holder. FTH2 has a self-stick adhesive backing.

Both items can be used with the following WIT series wrap-it-ties:

WIT18R	WIT50S	WIT50R	WIT50L
WIT30R	WIT30L	WIT60R	

Catalog Number	Price Per 100 Pieces
FTH1	\$5.38
FTH2	7.28

Control and Switch Hardware

VOLUME CONTROL NUT WRENCH

Mallory No.	Fig.	Description	Net Each
178	A	For 1/2" and 3/8" hex nuts	\$1.59

HEX NUTS

Mallory No.	Fig.	Description	Net Each
232	K	1/2" hex, 3/8"-32	\$0.03
255	L	.218" panel shoulder	.23
A1126012	L	.328" panel shoulder	.23
A112602	L	.578" panel shoulder	.23

CONTROL AND SWITCH WASHERS

Mallory No.	Description	Net Each
203	Extruded fiber; 3/4" O.D., 3/8" I.D.	\$0.05
212	Flat phenolic; 3/4" O.D., 3/8" I.D.	.03
225	Nickel finish metal, 3/8" I.D.*	.06
226	Nickel finish metal, 3/8" I.D.*	.06
227	Cadmium plated lock washers†	.02

* 3/8" O.D. † 11/16" O.D., 25/64" I.D.

ADJUSTABLE MOUNTING BRACKETS

Mallory No.	Fig.	Description	Net Each
RB248	F	1 1/4" mounting centers	\$0.09
RB249	G	2 1/2" mounting centers	.09
RB254	H	Universal	.09

UNIVERSAL EXTENSION SHAFTS

Mallory No.	Fig.	Description	Net Each
RS242	I	4" long, 1/4" dia., 1/32" flat	\$1.78
RS244	I	4" long, 3/16" dia., 1/64" flat	1.78
RS245	J	2" long, 1/4" dia., 3/32" slot	1.52

COUPLERS, BUSHINGS

Mallory No.	Fig.	Description	Net Each
EC240	C	Univ. coupler & reducer permits coupling of 1/4" shaft to 3/16"	\$1.35
EB247	B	Univ. extension bushing extends mounting surface from panel by 5/8"	.41
UB241	D	Univ. bushing & nut 3/8" FMS .250 ID .375 OD	.38

SHAFT EXTENSIONS

Mallory No. DS-36 (Fig. M)—1/4" dia. x 2 13/16" round for U, UT, UDT and TA controls. With one knurled and slotted, and one flattened shaft end knob adapter. Net Each\$1.17

Mallory No. DS-37 (Fig. N)—3/16" dia. x 2 1/4" round slotted for use with U, UT, UDT and TA controls. Net Each\$1.17

SPECIAL DIAL PLATES

Mallory No.	Description	Net Each
394	1 13/16" dia., 1 to 24, 15° spacing	\$0.35
• 369	2 1/4" dia., 0-10 (330°)	.66
395	2 1/4" dia., 0-10 (275°)	.60
397	2 1/4" dia., 0-10 (260°)	.66
399	2 1/4" dia., 0-10 (305°)	.66
495	2" sq. Level	.58
• M5001	5 1/2" dia., 1-100 (330°)	1.38
• M5007	1 1/4" dia., 0-100 (330°)	.40

SWITCH AND CONTROL KNOBS

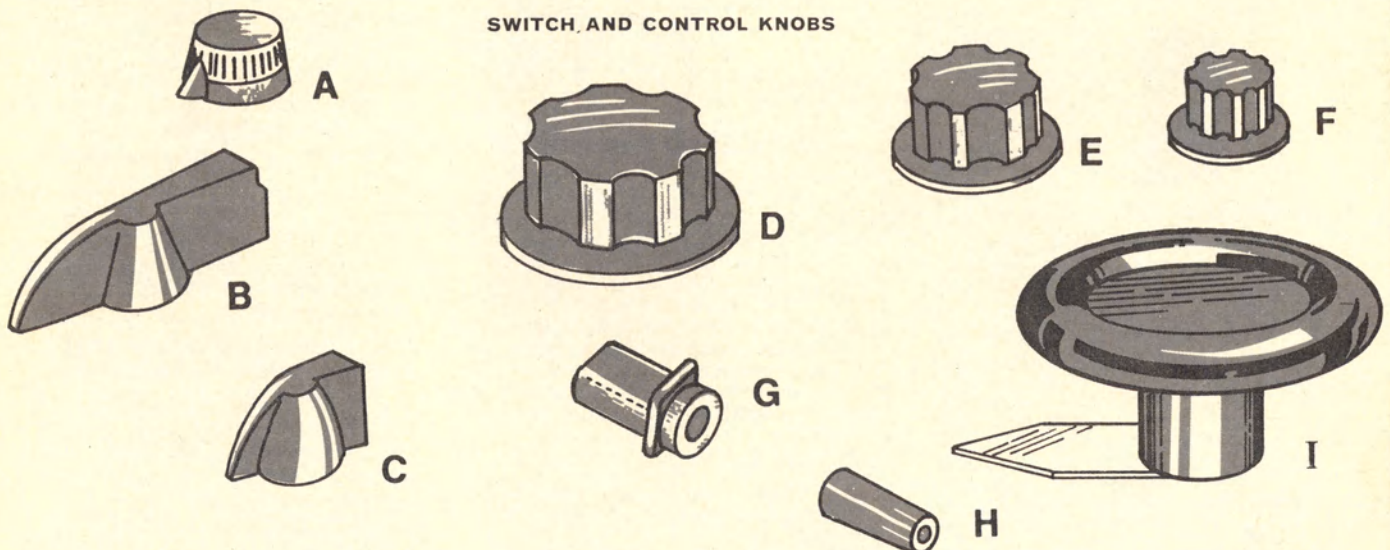
Mallory No.	Fig.	Description	Net Each
364	A	1 1/16" dia. black; pointer, 1/4" shaft	\$0.28
365-1	B	2 1/4" blk bar; 1/4" shaft	.66
366-1	C	1 1/4" blk bar; 1/4" shaft	.28
367-1	D	1 1/2" black; 1/4" shaft	.66
368-1	E	1" dia. blk; 1/4" shaft	.62
1910K	F	3/4" black; 1/8" shaft	.62
GS5149A	G	3/16" x 1 1/16" for lever switches; black	.20
LK171-1	H	5/16" dia., x 3/4" thd. for lever switch; black	.31
• M5104	I	3 1/4" dia., blk; 3/8" shaft	4.28
• M5106	I	3 1/4" dia., blk; 1/4" shaft	4.77
MS1	—	Knob for Malloslide	.15

DIAL PLATES

Aluminum dial plates with figures etched on solid black background. 1 13/16" dia., 7/16" hole, figures 3/64" high, .020" thick.

Mallory Number	Mallory Number	Marking	Net Each
20° Spacing	30° Spacing		
.....	372	1 to 2	\$0.35
.....	373	1 to 3	.35
.....	374	1 to 4	.35
.....	375	1 to 5	.35
.....	376	1 to 6	.35
.....	377	1 to 7	.35
.....	378	1 to 8	.35
.....	379	1 to 9	.35
.....	380	1 to 10	.35
.....	381	1 to 11	.35
.....	382	1 to 12	.35
.....	.....	1 to 13	.35
.....	467	1 to 17	.35
.....	472	Off 1 to 2	.35
.....	383	Off 1 to 3	.35
.....	474	Off 1 to 4	.35
.....	385	Off 1 to 5	.35
.....	476	Off 1 to 6	.35
.....	.....	Off 1 to 7	.35
.....	388	Off 1 to 8	.35
.....	479	Off 1 to 9	.35
.....	390	Off 1 to 10	.35
.....	.....	Off 1 to 15	.35

SWITCH AND CONTROL KNOBS



Carbon Controls

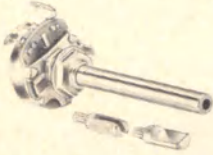
MIDGETROLS®

Mallory Midgetrols are used in both replacement and industrial applications. Rated 1 watt linear, ½ watt audio taper, 1/8" diameter.

Tapers: 1- left hand audio; 2- reverse audio; 4- linear. Rotation: Mechanical and electrical is 316° for controls with #2 & #4 tapers.

If switch is used the electrical is reduced to 285°. Controls with #1 tapers have 316° mechanical and 285° electrical with or without switch.

See page 48 for dimensional drawings.



TYPE "U" BUSHING MOUNT — METAL SHAFT
3/8"-32 x 3/8" bushing; shaft 1/4" dia. x 2 3/8" FMS (Front Mounting Surface). Tolerance ± 20%. Furnished with two knob adapters and hex nut. Use DS extension shaft with U control hardware page 46.

Mallory U Midgetrols—Without taps.

Net Each\$1.28

WITHOUT TAPS

Mallory No.	Resis., Ohms	†	Mallory No.	Resis., Ohms	†
U1	100	4	U36	75K	1
U2	500	4	U39	100K	1
U52R	500	2	U40	100K	2
U3	1K	2	U41	100K	4
U4	1K	4	U415	125K	4
U5	1500	2	U42	150K	1
U5L	1500	4	U43	200K	4
U6	2K	4	U44	250K	1
U7	2500	2	U45	250K	2
U8	3K	4	U46	250K	4
U9	3K	2	U48	500K	1
U12	5K	1	U50	500K	4
U14	5K	4	U51	750K	1
U18	10K	1	U52	1 meg	2
U19	10K	2	U53	1 meg	1
U20	10K	4	U54	1 meg	4
U21	15K	1	U155	1.5 megs	4
U22	15K	2	U55	2 megs	1
U24	20K	1	U56	2 megs	4
U26	20K	4	U255	2.5 megs	4
U28	25K	2	U57	3 megs	1
U28A	25K	1	U59	3 megs	4
U29	25K	4	U63	5 megs	2
U30	30K	4	U65	5 megs	1
U33	50K	1	U67	5 megs	4
U34	50K	2	U82	10 megs	4
U35	50K	4			

† Taper, see page 48.



TYPE "PTA" TAB MOUNT — NYLON SHAFT
Mounts on two twist-TAB lugs. Tolerance ± 20% 1/4" dia. x 1" FMS nylon shaft. Furnished with 2" shaft extender.

Mallory PTA Midgetrols—Net Each\$0.75

Mallory No.	Ohms	†	Mallory No.	Megs.	†
PTA52L	500	4	PTA754L	750K*	4
PTA751L	750	4	PTA16L	1	4
PTA152L	1500	4	PTA1254L	1.25	4
PTA252L	2500	4	PTA26L	2	4
PTA53L	5000	4	PTA355L	3.5	4
PTA54L	50K	4	PTA46A	4	1
PTA15L	100K	4	PTA56R	5	2
PTA35L	300K	4	PTA56L	5	4
PTA55R	500K	2	PTA755L	7.5	4
PTA55L	500K	4	PTA855L	8.5	4

* Ohms. † Taper, see page 48.

WARNING: To prevent shock hazard never replace an original equipment control having a plastic shaft with one that has a metal shaft.

TYPE "FC" SPECIAL CARBON ELEMENT FOCUS CONTROL

Especially designed to withstand high voltage surges in color TV sets. Available in two tab mounting configurations. Type FCT has a 1/4" x 1 1/2" nylon shaft and a snap-in nylon bushing extending from the front of the control. Type FCR has reverse mounting, a 1/4" x 1 1/2" nylon shaft extends out the rear of the control and a snap-in nylon bushing extends from the front of the control.

Mallory No.	Description	Resistance	†
FCT17L	Shaft out the front	10 Meg.	4
FCT156L	Shaft out the front	15 Meg.	4
FCR156L	Shaft out the rear	15 Meg.	4

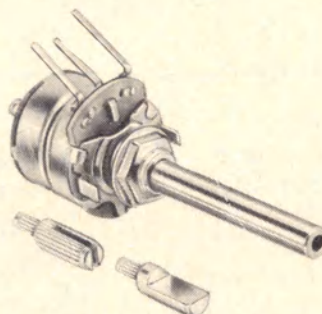
Dealer net\$1.06

TYPE "SU" BUSHING MOUNT — NYLON SHAFT
Tolerance ± 20%. Same bushing as U type. Shaft 1/4" dia. x 3/4" FMS nylon. Supplied with pal nut.

Mallory SU Midgetrols—Net Each\$1.17

Mallory No.	Resis., Ohms	†	Mallory No.	Resis., Ohms	†
SU6	1500	4	SU46	250K	4
SU8	3K	4	SU50	500K	4
SU14	5K	4	SU54	1 meg	4
SU20	10K	4	SU56	2 megs	4
SU29	25K	4	SU59	3 megs	4
SU35	50K	4	SU67	5 megs	4
SU41	100K	4			

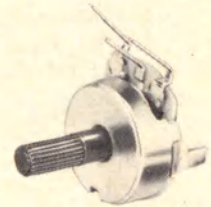
† Taper, see page 48.



TYPE "PP" BUSHING MOUNT WITH P-P SWITCH
Standard U control with SPST 6 amps at 125 VAC push-pull switch. Shaft 1/4" dia. x 2" FMS. Shaft extends to 2 1/2" with knob adapter. Furnished with knob adapters and hex nut. Tolerance: ± 20%.

Mallory No.	Resis., Ohms	Tap, Ohms	†	Net Each
PP13R	1K	.....	2	\$1.68
PP252R	2.5K	.....	2	1.68
PP253R	25K	.....	2	1.68
PP15A	100K	.....	1	1.68
PP55A	500K	.....	1	1.68
PP55L	500K	.....	4	1.68
PP16A	1 meg	.....	1	1.68
PP16L	1 meg	.....	4	1.68
PP16T15	1 meg	100K	1	1.99
PP16T25	1 meg	200K	1	1.99
PP16T55	1 meg	500K	2	1.99
PP26A	2 megs	.....	1	1.68
PP26T16	2 megs	1 meg	4	1.99
PP36DT26	3 megs	1 & 2 megs	4	1.99
PP56L	5 megs	.....	4	1.68

† Taper, see page 48.



FCR 156L

TYPE "TRS" TAB MOUNT — REVERSE NYLON SHAFT

Same as PTA except 1/4" dia. nylon shaft projects 3/4" out REAR of control. Screwdriver slot in mounting end of shaft. Tolerance: ± 20%.

Mallory TRS Midgetrols—Net Each\$0.68

Mallory No.	Ohms	†	Mallory No.	Ohms	†
TRS12L	100	4	TRS55L	500K	4
TRS751L	750	4	TRS16L	1 Meg	4
TRS152L	1500	4	TRS26A	2 Meg	1
TRS53L	5K	4	TRS26L	2 Meg	4
TRS153L	15K	4	TRS36L	3 Meg	4
TRS15L	100K	4	TRS46A	4 Meg	1
TRS254L	250K	4	TRS56L	5 Meg	4

† Taper, see page 48.

TYPE "HVC" HIGH VOLTAGE COLOR CONTROL

To isolate control mounting from up to 4000 volts rms. Nylon insulating mounting plate and 1/4" dia. x 1 1/8" FMS nylon shaft.

Mallory HVC Midgetrols—Net Each\$1.28

Mallory No.	Resistance	†
HVC63L	6000 ohms	4
HVC155L	1.5 megs	4
HVC355L	3.5 megs	4

† Taper, see page 48.

SWITCHES

Switches for U, or PTA controls.

Mallory No.	Description	Net
US26*	SPST, 6 amps at 125 VAC	\$0.57
US26T	SPST, w/ dummy terminal	.81
US27	DPST, 6 amps at 125 VAC	.81
US28	SPDT, 3 amps at 125 VAC	.81

* Flame retardant U.L. recognized.

SWITCH/CIRCUIT BREAKER

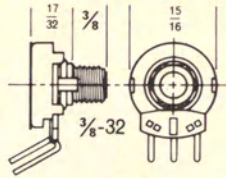
AC Switch/Circuit Breaker. Use with U, or PTA Controls.

Catalog No.	Oper. Current	Break Current	Net Price Each
USB29	1.6A	2.5A	\$1.16

Carbon Controls

TYPE UA PLUG-IN SHAFT CONTROL

Single control with attached bushing $\frac{3}{8}$ " x $\frac{3}{8}$ " designed to work with pre-cut nylon or DELRIN shafts type SD or SN. No shaft cutting necessary. Simply select the desired shaft length and diameter snap into the control and that is all there is to it. If switch is desired use US41, US42, or US43 shown below. Tolerance: $\pm 20\%$.



NO TAPS

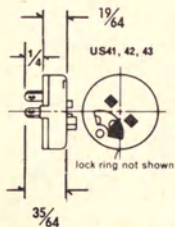
Cat. No.	Resis., Ohms	†	Cat. No.	Resis., Ohms	†	Cat. No.	Resis., Ohms	†
UA12L	100	4	UA26L	2 meg	4	UA56R	5 meg	2
UA13L	1000	4	UA33L	3000	4	UA152L	1500	4
UA14A	10K	1	UA34L	30K	4	UA152R	1500	2
UA14L	10K	4	UA36L	3 meg	4	UA153R	15K	2
UA14R	10K	2	UA52L	500	4	UA155L	1.5 meg	4
UA15A	100K	1	UA52R	500	2	UA252R	2500	2
UA15L	100K	4	UA53A	5000	1	UA253A	25K	1
UA15R	100K	2	UA53L	5000	4	UA253L	25K	4
UA16A	1 meg	1	UA54A	50K	1	UA254A	250K	1
UA16L	1 meg	4	UA54L	50K	4	UA254L	250K	4
UA17L	10 meg	4	UA54R	50K	2	UA254R	250K	2
UA23L	2000	4	UA55A	500K	1	UA751A	750	1
UA24A	20K	1	UA55L	500K	4	UA753A	75K	1
UA24L	20K	4	UA56A	5 meg	1	UA754A	750K	1
UA26A	2 meg	1	UA56L	5 meg	4	UA1253L	125K	4

† Taper, see page 48.

SINGLE TAP "T" AND DOUBLE TAPPED "DT"

Cat. No.	Resis., Ohms	#1 Tap	#2 Tap	†	Cat. No.	Resis., Ohms	#1 Tap	#2 Tap	†
UA16T454	1 meg	450K		1	UA55DT25	500K	100K	200K	4
UA26T65	2 meg	600K		1	UA55T154	500K	150K		1
UA26T95	2 meg	900K		1	UA153T14	15K	10K		4
UA34T253	30K	25K		2	UA254T154	250K	150K		4
UA36T95	3 meg	900K		1					

† Taper, see page 48.



TYPE "UA" PRICES Shafts not included

	Suggested Resale (Each)
No taps	\$0.90
Single tapped	1.22
Double tapped	1.22

TYPE MS SLIDE CONTROL

Mallory slide controls are used in replacement applications in Arvin, Magnavox, RCA, Sears and Sylvania TV sets. This line is tooled to permit replacement in many other American made sets. This control is of a nylon case and shaft, tab mount in four configurations. Tolerance: $\pm 30\%$. Tapers: linear 4, left hand Audio 1, Reverse Audio 2. Wattage varies with value and taper, see below. Request Bulletin 9-664 for complete technical information.

Mallory No.	† Taper	Ohms Res.	Watt	Net Each	Mallory No.	† Taper	Ohms Res.	Watt	Net Each
MSA22A	1	200	.5	\$1.38	MSC24L	4	20K	.5	1.31
MSC22A	1	200	.5	1.38	MSD24A	1	20K	.3	1.38
MSA351R	2	350	.5	1.38	MSB253R	2	25K	.3	1.38
MSD351A	1	350	.5	1.38	MSC253A	1	25K	.3	1.38
MSC52A	1	500	.5	1.38	MSC253R	2	25K	.3	1.38
MSD52R	2	500	.5	1.38	MSD253L	4	25K	.5	1.31
MSA62A	1	600	.5	1.38	MSA34A	1	30K	.3	1.38
MSB62R	2	600	.5	1.38	MSA34L	4	30K	.5	1.31
MSC62L	4	600	.5	1.31	MSB34A	1	30K	.3	1.38
MSC62R	2	600	.5	1.38	MSB34L	4	30K	.5	1.31
MSD62L	4	600	.5	1.31	MSD34L	4	30K	.5	1.31
MSC751L	4	750	.5	1.31	MSC44R	2	40K	.3	1.38
MSC13L	4	1000	.5	1.31	MSC54L	4	50K	.5	1.31
MSD13L	4	1000	.5	1.31	MSC54R	2	50K	.5	1.38
MSA122L	4	1200	.5	1.31	MSD54A	1	50K	.3	1.38
MSA122R	2	1200	.5	1.38	MSD54L	4	50K	.5	1.31
MSC122R	2	1200	.5	1.38	MSD15R	2	100K	.3	1.38
MSC152L	4	1500	.5	1.31	MSC124L	4	120K	.5	1.31
MSC23L	4	2000	.5	1.31	MSC25A	1	200K	.3	1.38
MSB252R	2	2500	.3	1.38	MSC25L	4	200K	.5	1.31
MSC252A	1	2500	.5	1.38	MSA254L	4	250K	.3	1.31
MSC252R	2	2500	.3	1.38	MSB254L	4	250K	.3	1.31
MSA53A	1	5000	.3	1.38	MSC254L	4	250K	.3	1.31
MSC53A	1	5000	.3	1.38	MSA754L	4	750K	.3	1.31
MSD53R	2	5000	.3	1.38	MSC754L	4	750K	.3	1.31
MSB63A	1	6000	.3	1.38	MSC16A	1	1 meg.	.1	1.38
MSC63A	1	6000	.3	1.38	MSC16L	4	1 meg.	.2	1.31
MSA14A	1	10K	.5	1.38	MSD155L	4	1.5 meg.	.2	1.31
MSC14L	4	10K	.5	1.31	MSA36A	1	3 meg.	.1	1.38
MSA153A	1	15K	.3	1.38	MSC36A	1	3 meg.	.1	1.38
MSC153A	1	15K	.3	1.38					

† Taper, see page 48.

TYPE "US" SERIES SWITCHES FOR USE WITH "UA" CONTROLS

Switches attach quickly and easily and are locked in place with a collar. Switches can be readily removed in service and replaced without removing the control from chassis. Flame Retardant U.L. approved.

Cat. No.	Description	Price Each
US41	6 amp; 125 VAC SPST	\$0.78
US42	3 amp per pole, 6 amp total; 125 VAC DPST	1.00
US43	3 amp; 125 VAC SPDT	1.00

TYPE MS MALLOSLIDE SLIDE CONTROL CONFIGURATION AND DIMENSIONS

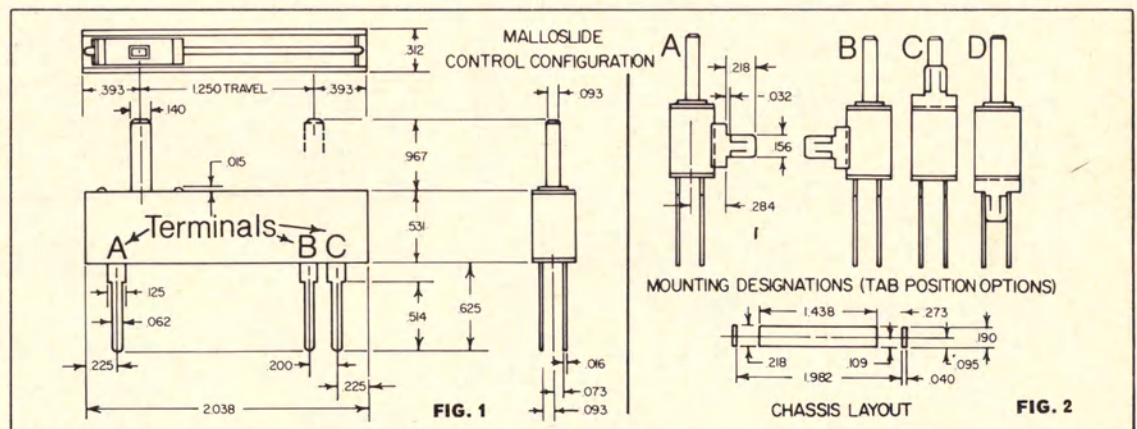
Malloslide Numbering System

MS A 153 A
Malloslide Control
Mounting Designation
See Fig. 2

1st two digits are significant resistance. Last digit is the number of zeros of resistance value.

Taper: A = Audio
Taper: L = Linear
Taper: R = Right Hand Log

See Page 48 for Taper Explanation



CONTINUED

Carbon Controls

EXACT "UA" REPLACEMENT SINGLE SHAFT

Exact duplicate, flat mill Delrin* shaft for single controls will replace original control shaft length without modification: for use with UA and RU STA-LOC® controls. Shaft lengths are measured from mounting surface (FMS) of control.

Suggested Resale Each . . . \$0.57
* DuPont trademark.

.187" Diameter						.250" Diameter					
Mallory No.	L., FMS Inches	.156" Flat L., Inches	Mallory No.	L., FMS Inches	.156" Flat L., Inches	Mallory No.	L., FMS Inches	.156" Flat L., Inches	Mallory No.	L., FMS Inches	.156" Flat L., Inches
SD750	.750	.437	SD1625	1.625	.562	SN750	.750	.437	SN1750	1.750	.562
SD875	.875	.562	SD1750	1.750	.562	SN875	.875	.562	SN1875	1.875	.562
SD1000	1.000	.562	SD1875	1.875	.562	SN1125	1.125	.562	SN2125	2.125	.562
SD1125	1.125	.562	SD2000	2.000	.562	SN1375	1.375	.562	SN2250	2.250	.562
SD1187	1.187	.875	SD2125	2.125	.562	SN1500	1.500	.562	SN2375	2.375	.562
SD1250	1.250	.562	SD2250	2.250	.562	SN1625	1.625	.562	SN2500	2.500	.562
SD1375	1.375	.562	SD2375	2.375	.562						
SD1500	1.500	.562	SD2500	2.500	.562						

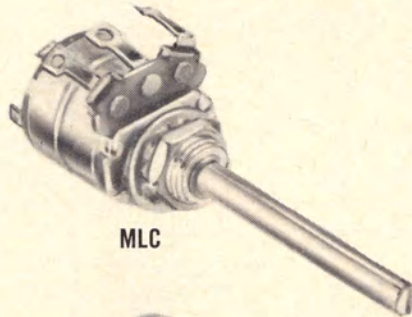
1/2" SUBMINIATURE CONTROLS

Only 1/2" dia. Rated 1/4 watt linear, 1/8 watt audio. 1/4"-32 x 1/4" bushing with nut. Shaft: 1/8" dia. x 1 1/4" FMS, MLC (steel); 1/8" dia. x 1/4" FMS, MLCN (nylon). SPST switch rated 3 amps at 125 VAC, U/L Approved.

Type MLC Bushing Mount. Tolerance: MLC ±20%.

Mallory No.	Ohms	†	Switch	Net
MLC13L	1000	4	.....	\$1.43
MLC222LS	2200	4	SPST	2.33
MLC252A	2500	1	.....	1.43
MLC252AS	2500	1	SPST	2.33
MLC53A	5000	1	.....	1.43
MLC53AS	5000	1	SPST	2.33
MLC53L	5000	4	.....	1.43
MLC53LS	5000	4	SPST	2.33
MLC14A	10K	1	.....	1.43
MLC14AS	10K	1	SPST	2.33
MLC14L	10K	4	.....	1.43
MLC54L	50K	4	.....	1.43
MLC15A	100K	1	.....	1.43
MLC15AS	100K	1	SPST	2.33
MLC15L	100K	4	.....	1.43
MLC25L	200K	4	.....	1.43
MLC254L	250K	4	.....	1.43
MLC55A	500K	1	.....	1.43
MLC55AS	500K	1	SPST	2.33
MLC55LS	500K	4	SPST	2.33
MLCN55A	500K	1	.....	1.43
MLCN55L	500K	4	.....	1.43
MLC16AS	1 meg	1	SPST	2.33
MLC16LS	1 meg	4	SPST	2.33
MLCN16A	1 meg	1	.....	1.43
MLCN16L	1 meg	4	.....	1.43

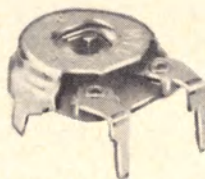
†Taper, see page 48.



MLC



MTC-1



MTC-4

MTC MINIATURE TRIMMER CONTROL

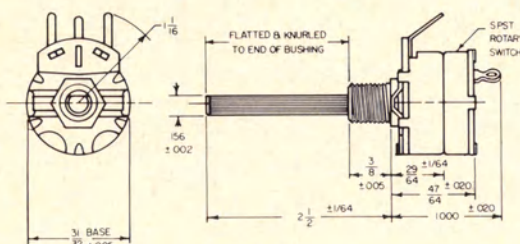
Designed for printed circuitry. Use wherever an occasionally adjusted, low wattage variable resistance source is needed. MTC-1 terminals for standup mounting, MTC-4 terminals for flat mounting. Open crossed slot allows adjustments with either a blade or Phillips screwdriver. Tolerance ±20%.

Type MTC PC Mt. Linear taper, Net Each \$0.46

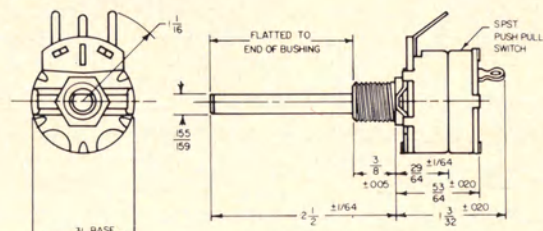
Vertical Mounting	Horizontal Mounting	Resis., Ohms
MTC12L1	MTC12L4	100
MTC22L1	MTC22L4	200
MTC25L1	MTC25L4	250
MTC32L1	MTC32L4	300
MTC52L1	MTC52L4	500
MTC75L1	MTC75L4	750
MTC13L1	MTC13L4	1000
MTC15L1	MTC15L4	1500
MTC23L1	MTC23L4	2000
MTC25L1	MTC25L4	2500
MTC33L1	MTC33L4	3000
MTC53L1	MTC53L4	5000
MTC63L1	MTC63L4	6000
MTC68L1	MTC68L4	6800
MTC14L1	MTC14L4	10K
MTC15L1	MTC15L4	15K
MTC24L1	MTC24L4	20K
MTC25L1	MTC25L4	25K
MTC54L1	MTC54L4	50K
MTC15L1	MTC15L4	100K
MTC124L1	MTC124L4	120K
MTC184L1	MTC184L4	180K
MTC254L1	MTC254L4	250K
MTC325L1	MTC325L4	325K
MTC454L1	MTC454L4	450K
MTC55L1	MTC55L4	500K
MTC16L1	MTC16L4	1 meg
MTC26L1	MTC26L4	2 megs
MTC355L1	MTC355L4	3.5 megs
MTC56L1	MTC56L4	5 megs

TYPE EZ

Mallory EZ controls are 1/2 watt, audio taper. All are supplied with either rotary or push-pull, SPST, 5A @ 125VAC switch. Control tolerance ±20%. 3/8"-32 x 3/8" bushing. Units with AS suffix have 1/4 x 2 1/2 FMS plastic knurled-flatted shaft, APS has 3/8 x 2 1/2 FMS plastic flatted shaft.



EZ-AS

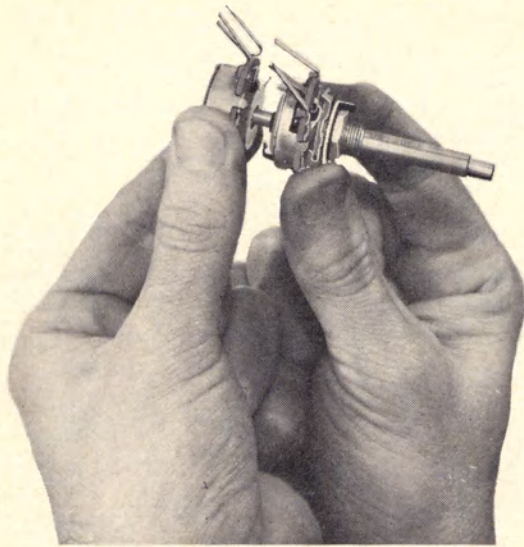


EZ-APS

Mallory No.	Ohms Res.	SW. Type	Net Each
EZ55AS	500K	Rotary	\$0.78
EZ16AS	1 meg	Rotary	.78
EZ55APS	500K	Push-Pull	1.14
EZ16APS	1 meg	Push-Pull	1.14
EZ16T254APS*	1 meg	Push-Pull	1.22

* Tapped at 250K

STA-LOC[®] Control System



The Sta-Loc Control System is designed to provide maximum versatility in supplying replacement control needs with minimum inventory.

This is accomplished through the use of attachable bushings, shafts, and switches. The system also has the capability to join two controls together

to operate in tandem with a common shaft or separate controls with concentric shafts.

The control elements are listed below in accordance to their resistance, lowest resistance is shown first. Tapped controls are listed right along with untapped in ascending order in accordance to resistance value, thus resistances of the same value are grouped together for easy reference.

A "P" prefix designates controls designed as the front control or control located next to the inside panel of a TV or radio chassis. Controls designed to attach behind or at the rear of a panel control are designated with an "RU". Both panel and rear controls can be made into a single control unit by attaching a proper bushing and shaft. If a switch is desired when using a front section ("P") as a single control, use the FPP1 push pull on-off switch. Ask for bulletin 9-214 for more detailed description. All rear section ("RU") controls will accommodate the type US41, US42 or US43 switches.

When selecting the desired replacement control, be sure and observe the taper requirement of the original and match it as closely as possible to one of the three tapers available on the Mallory controls. Our tapers are designed by numbers "1", "2" or "4" and indicate the amount of resistance introduced into a circuit as the control is rotated from full counterclockwise (CCW) to full clockwise (CW) position. Taper curves are displayed in the chart shown on page 48.

The control parts are listed here in accordance to resistance for ease of location of specific control(s) when resistance and taper is the only known information.

Control part numbers listed alpha-numerically may be useful in stocking and warehousing the product. For parts listed in this manner, please request price sheet number 503.

STA-LOC® CONTROL SECTIONS

Res. Total	Tap #1	Tap #2	Taper	Panel Control Type "P"	Rear Section Control Type "RU"
100			4	P12L	RU12L
100	50		4	P12T51	
200			4		RU22L
250			4	P251L	
250	150		4		RU251T151
300			4	P32L	RU32L
350			4	P351L	
500			2	P52R	RU52R
500			4	P52L	RU252L
500	75		1	P52T75	
500	350		2	P52T351	
500	425		2	P52T425	
600			2	P62R	
600			4	P62L	
600	500		4	P62T52	
750			2	P751R	RUP751R
750			4	P751L	RU751L
750	500		4	P751T52	
1000			2	P13R	
1000	750		4	P13L	RU13L
1000			4	P13T751	
1500			1	P152A	
1500			2	P152R	
1500			4	P152L	RU152L
1500	180		1		RU152T181
1500	200		2	P152T22	
1500	1400		2	P152T142	
1500	1125	1313	2	P152DT375	
2000			2	P23R	
2000	1500		4	P23T152	RU23L
2000	250	500	2	P23DT52	RU23T152
2000	1500	1750	2	P23DT1751	
2500			2	P252R	
2500			4	P252L	RU252L
2500	500		2	P252T52	
2500	1400		2	P252T142	
2500	1500		2	P252T152	
2500	2000		2	P252T23	

Res. Total	Tap #1	Tap #2	Taper	Panel Control Type "P"	Rear Section Control Type "RU"
3000 3000	2500		2 2	P33R P33T252	RU33R
3500 4500 5000 5000 5000			2 2 1 2 4	P53A P53R	RU352R RU452R RU53A RU53L
6000 6800 7000 7500 10K 10K 10K 10K 15K 15K	2200 5K 10K		4 4 1 1 1 2 4 4 4 4	P63L P682L P14A P14R P14L P153L P153T14	RU73A RU752T222 RU14A RU14R RU14L RU14T53 RU153L
15K 15K 20K 20K 20K 20K 25K 25K 25K 25K	4K 4.5K 10K 5K	7K 9K	4 4 1 2 4 4 1 2 4 1	P153DT73 P153DT93 P24R P24L P253A P253R P253L	RU24A RU24T14 RU253A RU253L RU253T53
30K 30K 30K 35K 50K 50K 50K 75K 100K 100K	20K		1 4 4 4 1 2 4 4 1 4	P34A P34L P353L P54A P54R P54L P753L P15A P15L	RU34L RU34T24 RU54A RU54L RU15A RU15L

For Complete Pricing Information—See Mallory Sta-Loc® Control Sections Price Sheet #503.

CONTINUED →

- NEW PRODUCT

Prices and specifications subject to change without notice.

STA-LOC® Control System

STA-LOC® CONTROL SECTIONS

Res. Total	Tap #1	Tap #2	Taper	Panel Control Type "P"	Rear Section Control Type "RU"
120K	130K	150K	4	P124LS†	RU154L RU154DT134
150K			4	P154L	
150K			1		
200K			1	P25A	
200K			4	P25L	RU25L
225K			4	P2253L	
250K			1	P254A	RU254A
250K			2	P254R	
250K			4	P254L	RU254L RU254T64
250K			60K	1	
250K	75K		1	P35A	RU254T753
250K	125K		4		RU254T1253
250K	150K		1		RU254T154
300K			1		RU35T54 RU35T553 RU35T583 RU35T74 RU35T94 RU334A
300K	50K		1		
300K	55K		1		
300K	58K		1		
300K	70K		1		
300K	90K		4		
330K			1		
330K	65K		1		RU334T653
330K	66K		1		RU334T663
330K	75K		1		RU334T753
350K			1	RU354A	
350K	60K		1	RU354T64	
400K			4	P45L P55A P55R P55L	RU55A RU55R
500K			1			RU55L
500K			2	RU55T423	
500K	42K		4		
500K	45K		1	P55T54	RU55T453
500K	50K		1		RU55T64 RU55T653
500K	60K		1	P55T15	
500K	65K		1		RU55T124
500K	100K		1	P55T1253	
500K	120K		1		
500K	125K		4		
500K	135K		1		RU55T1353
500K	180K		4		RU55T184
500K	300K		4	RU55T35	
500K	200K	350K	4	P55DT334	RU55DT354
500K	125K	330K	4		RU55DT274
500K	400K	270K	4	P65L	
600K			4	RU754T184 RU754L RU16A RUP16A RU16R RU16L RUP16L	
750K	180K		1		
750K			4		
1M			1		P16A
1M			2	P16R	RU16T54
1M			4	P16L	
1M	50K		1	P16T15 P16T35 P16DT55	RU16T35
1M	100K		4		
1M	300K		1		
1M	500K		4		
1M	100K		1	RU16T15 RU16T25 RU16T253 RU16T453 RUP16T54	RU16T15 RU16T25 RU16T253 RU16T453 RUP16T54
1M	200K		1		
1M	25K		1		
1M	45K		1		
1M	50K		1		
1M	90K		1		
1M	125K		4		
1M					
1M	160K		1	RU16T164 RU16T224 RU16T2253 RU16T254 RUP16T254	RU16T164 RU16T224 RU16T2253 RU16T254 RUP16T254
1M	220K		1		
1M	225K		1		
1M	250K		1		
1M					
1M	270K		1	RU16T274 RUP16T35	RU16T274 RUP16T35
1M	300K		4		
1M	330K		1	RU16T334 RU16T354 RU16T654	RU16T334 RU16T354 RU16T654
1M	350K		1		
1M	650K		4		

STA-LOC® CONTROL SECTIONS

Res. Total	Tap #1	Tap #2	Taper	Panel Control Type "P"	Rear Section Control Type "RU"	
1M	800K	500K 750K	4	P1254L P155R P155L	RU16T85	
1M	100K		1		RU16DT55	
1M	400K		4		RU16DT754	
1.25M			4			
1.5M			2			
1.5M			4			
1.5M			4			
1.5M	350K		1			
1.5M	750K	4			RU155L RU155LS† RU155T354 RU155T754	
1.5M	250K	500K	1	P155DT55		
1.75M			4		RU1754L	
2M			1	P26A P26R P26L P26T154 P26T254	RU26A	
2M			2			
2M			4			
2M	150K		1		RU26L RU26T154	
2M	250K		1			
2M	300K		1			
2M	350K		1		RU26T35 RU26T354 RU26T45 RU26T55	
2M	400K		1			
2M	500K		1			
2M	600K	700K 1M 1.5M 1.2M	4	P26DT16 P26DT155	RU26T65	
2M	900K		1		RU26T95	
2M	400K		1		RU26DT75 RU26DT16	
2M	500K		4			
2M	750K		4			
2M	800K		4			
2M	1M		4			
2M	1.5M		4			
2.5M			1	P255A P255L	RU26DT125 RUP26T16 RU26T155 RU255A RUP255L	
2.5M			4			
3M			1		RU36A RUP36A	
3M			2	P36R P36T95 P36DT155 P46R P46L P46X P46T55	RU36L RU46L	
3M			4			
3M	900K	1.5M	4			
3M	350K		1			
4M			2			
4M			4			
4M			#			
4M	500K		1			
4.5M			1		RU455A	
5M			1	P56A P56R P56L P56X		
5M			2			
5M			4		RU56L	
5M			#			
5M	2M		4		RU56T26	
5M			4			

Split Element

† Mechanical Stop

PANEL (P) CONTROL BUSHINGS

Diameter	Length	Panel Control Bushings (P)
3/8"	1/4"	3014
3/8"	3/8"	3038
3/8"	1/2"	3012
3/8"	5/8"	3058
3/8"	7/8"	3078
3/8"	1"	3100
3/8"	1 1/8"	3118
3/8"	1 1/4"	3114
3/8"	1 1/2"	3112
3/8"	1 3/8"	3158
3/8"	2 3/8"	3258
5/16"	3/8"	3034C
5/16"	7/8"	3078D
7/16"	3/4"	4034
7/16"	1"	4100
7/16"	1 1/8"	4118
7/16"	1 1/4"	4114
7/16"	1 3/8"	4138
7/16"	1 1/2"	4112
7/16"	1 5/8"	4158

For Complete Pricing Information — See Mallory Sta-Loc® Control Sections Price Sheet #503.

CONTINUED →

STA-LOC® Control System

PANEL (P) CONTROL BUSHINGS

Diameter	Length	Panel Control Bushings (P)
$\frac{7}{16}$ "	$1\frac{7}{8}$ "	4178
$\frac{7}{16}$ "	2"	4200
$\frac{7}{16}$ "	$2\frac{1}{8}$ "	4218
$\frac{1}{2}$ "	$\frac{1}{4}$ "	5014
$\frac{1}{2}$ "	$\frac{1}{2}$ "	5012
$\frac{1}{2}$ "	$\frac{5}{8}$ "	5058S
$\frac{1}{2}$ "	$\frac{3}{4}$ "	5034
$\frac{1}{2}$ "	$\frac{7}{8}$ "	5078
$\frac{1}{2}$ "	1"	5100
$\frac{1}{2}$ "	$1\frac{1}{8}$ "	5118
$\frac{1}{2}$ "	$1\frac{1}{4}$ "	5114
$\frac{1}{2}$ "	$1\frac{3}{8}$ "	5138
$\frac{1}{2}$ "	$1\frac{1}{2}$ "	5112
$\frac{1}{2}$ "	$1\frac{5}{8}$ "	5158
$\frac{1}{2}$ "	1"	5178
$\frac{1}{2}$ "	2"	5200
$\frac{1}{2}$ "	$2\frac{1}{8}$ "	5218
$\frac{1}{2}$ "	$2\frac{1}{4}$ "	5214

PANEL (P) CONTROL SPACERS

Diameter	Length	Panel Control Spacers (P)
$\frac{7}{16}$ "	$\frac{1}{8}$ "	SH31
$\frac{7}{16}$ "	$\frac{1}{4}$ "	SH3250
$\frac{7}{16}$ "	$\frac{3}{8}$ "	SH3375
$\frac{7}{16}$ "	$\frac{1}{2}$ "	SH3500
$\frac{7}{16}$ "	$\frac{5}{8}$ "	SH3625
$\frac{1}{2}$ "	$\frac{1}{8}$ "	SH41
$\frac{1}{2}$ "	$\frac{1}{4}$ "	SH4250
$\frac{1}{2}$ "	$\frac{3}{8}$ "	SH4375
$\frac{1}{2}$ "	$\frac{1}{2}$ "	SH4500
$\frac{1}{2}$ "	$\frac{5}{8}$ "	SH4625
$\frac{9}{16}$ "	$\frac{1}{8}$ "	SH51
$\frac{9}{16}$ "	$\frac{1}{4}$ "	SH5250
$\frac{9}{16}$ "	$\frac{3}{8}$ "	SH5375
$\frac{9}{16}$ "	$\frac{1}{2}$ "	SH5500
$\frac{9}{16}$ "	$\frac{5}{8}$ "	SH5625

STA-LOC® SHAFTS

Sta-Loc Shafts					
IK — Inner Shaft IS — Inner Slotted OK — Outer Knurled OX — Outer Flatted and Slotted					
Length Inches FMS	Inner Shaft	Outer Shaft	Length Inches FMS	Inner Shaft	Outer Shaft
$\frac{7}{16}$		OX437 OX437A	$1\frac{1}{16}$ $1\frac{1}{2}$	IS1437 IK1500	OX1437 OX1500
$\frac{1}{2}$		OX500		IS1500	
$\frac{9}{16}$		OX562	$1\frac{1}{16}$	IS1562	OX1562A
$\frac{5}{8}$	IK625	OX625	$1\frac{3}{8}$	IK1625	OX1625
$1\frac{1}{16}$		OX687		IS1625	
$\frac{3}{4}$	IK750	OX750 OX750A	$1\frac{1}{16}$ $1\frac{3}{4}$	IK1750 IS1812	OX1687
$1\frac{3}{16}$		OX812	$1\frac{3}{16}$		OX1812
$\frac{7}{8}$	IK875 IS875 IK937		1"	IS1875	OX1812A OX1875 OX1875A
$1\frac{5}{16}$		OX937 OX937A	$1\frac{1}{16}$	IS1937	OX1937
1	IK1000	OK1000 OX1000	2" $2\frac{1}{16}$	IK2000 IS2062	OX2000
$1\frac{1}{16}$		OK1062	$2\frac{1}{8}$	IS2125	OX2125
$1\frac{1}{8}$		OK1125 OX1125	$2\frac{3}{16}$	IK2187 IS2187	OX2187
$1\frac{3}{8}$	IK1187 IS1187	OX1187	2" $\frac{1}{4}$		OX2250 OX2250A
$1\frac{1}{4}$	IK1250	OK1250	$2\frac{5}{16}$	IS2312	OX2312
$1\frac{3}{8}$		OX1250	$2\frac{3}{8}$		OX2375
$1\frac{5}{8}$	IS1312	OX1312	$2\frac{7}{16}$		OX2437
$1\frac{3}{4}$	IK1375 IS1375	OX1375	$2\frac{1}{2}$	IK2500 IS2500	

STA-LOC® SHAFTS

Length Inches FMS	Inner Shaft	Outer Shaft	Length Inches FMS	Inner Shaft	Outer Shaft
$2\frac{9}{16}$	IS2562	OX2562	$3\frac{1}{2}$		OX3500
$2\frac{5}{8}$	IS2625	OX2625	$3\frac{3}{16}$	IS3562	OX3562
$2\frac{11}{16}$	IS2687	OX2687	$3\frac{5}{8}$		OX3625
		OX2687A	$3\frac{11}{16}$	IS3687	
$2\frac{3}{4}$		OX2750	$3\frac{3}{4}$		OX3750
$2\frac{13}{16}$	IS2812	OX2812	$3\frac{7}{8}$	IS3875	
		OX2812A	4"	IS4000	OX4000
$2\frac{7}{8}$	IS2875	OX2875	$4\frac{1}{16}$	IK4062	
$2\frac{15}{16}$	IS2937	OX2937		IS4062	
3"	IS3000		$4\frac{3}{16}$		OX4187
$3\frac{1}{16}$		OX3062	$4\frac{7}{16}$	IS4437	
$3\frac{1}{8}$		OX3125	$4\frac{1}{2}$	IS4500	
$3\frac{1}{4}$	IS3250	OX3250	$4\frac{5}{16}$	IS4937	
$3\frac{5}{16}$	IS3312	OX3312	$5\frac{1}{16}$		OX5312
$3\frac{3}{8}$	IS3374		$5\frac{5}{8}$	IS5625	
$3\frac{7}{16}$	IS3437	OX3437	$5\frac{3}{4}$	IS5750	

STA-LOC® DESCRIPTIONS

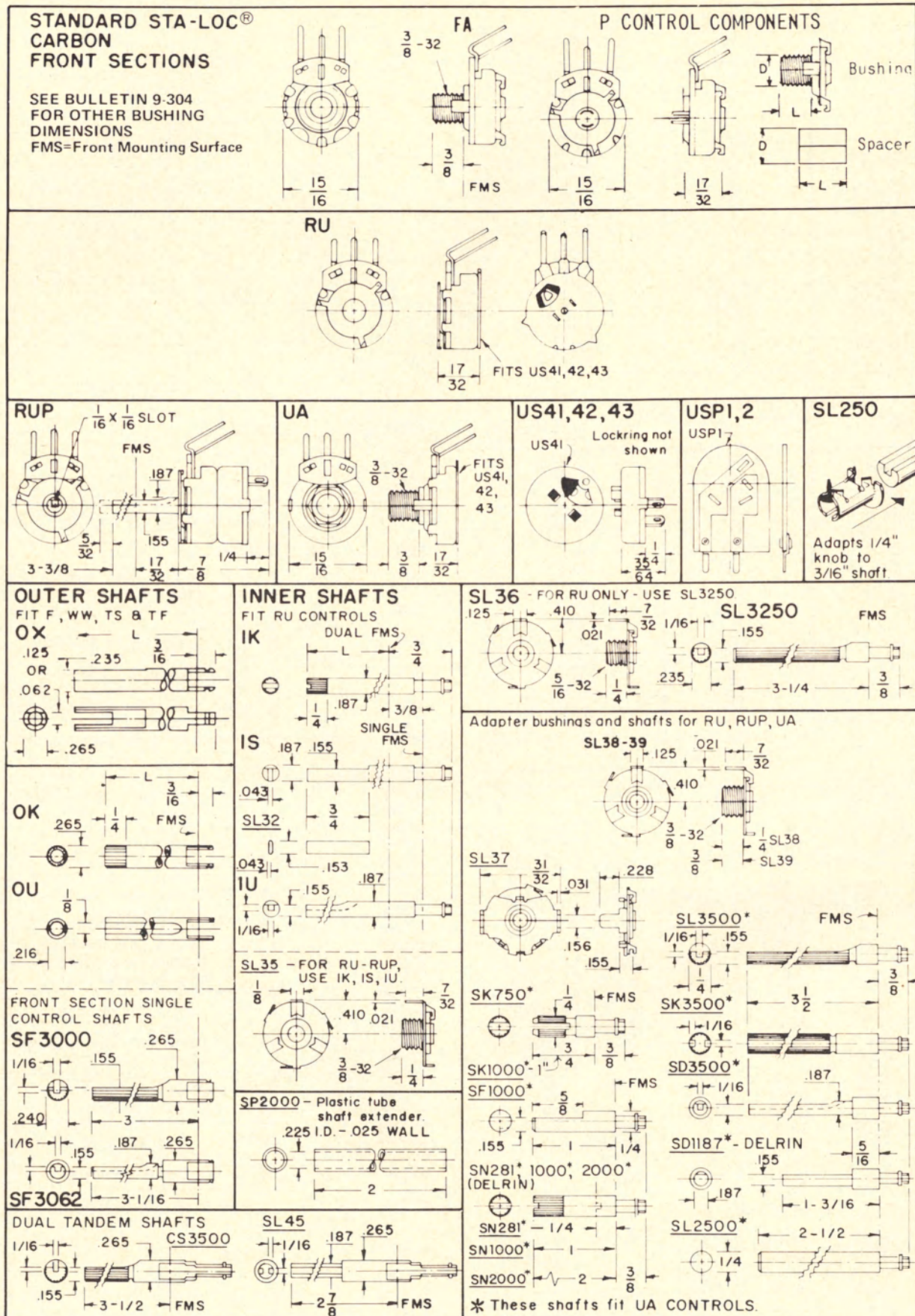
Switches	Description
US41	SPST Switch
US42	DPST Switch
US43	SPDT Switch
FPP1	Push Pull Switch — Attaches to any front section.
USP1	Converts SPST (US41 & Push Pull) to Printed Circuit.

Bushing	Description
SL36	$\frac{5}{16}$ " x $\frac{1}{4}$ " Single Adapter Bushing for .235" dia. shaft.
SL35	$\frac{3}{8}$ " x $\frac{1}{4}$ " Single Adapter Bushing for $\frac{3}{16}$ " dia. shaft.
SL38	$\frac{3}{8}$ " x $\frac{1}{4}$ " Single Adapter Bushing for $\frac{1}{4}$ " dia. shaft.
SL39	$\frac{3}{8}$ " x $\frac{3}{8}$ " Single Adapter Bushing for $\frac{1}{4}$ " dia. shaft.
SL41	$\frac{3}{8}$ " x $\frac{3}{16}$ " Bushing for $\frac{1}{4}$ " dia shaft.
SL37	Tab Mount Adapter Bushing.
SLF37	Front Tab Mounting Bushing.

Special Shafts	Description
ISA1187	$\frac{3}{16}$ " x $1\frac{3}{16}$ " Inner Hollow Shaft, Internal Thread.
ISA3062	$\frac{3}{16}$ " x $3\frac{1}{16}$ " Inner Hollow Shaft.
IU3500	$\frac{3}{16}$ " x $3\frac{1}{2}$ " Universal Inner Shaft.
SD1187	$\frac{3}{16}$ " x $1\frac{3}{16}$ " Universal Delrin Shaft.
SD3500	$\frac{3}{16}$ " x $3\frac{1}{2}$ " Universal Delrin Shaft.
SF3062	$\frac{3}{16}$ " x $3\frac{1}{16}$ " Universal Shaft for front section only.
SL45	$\frac{3}{16}$ " x 3" Universal Shaft for Tandem Controls.
CS3500	$\frac{1}{4}$ " x $3\frac{1}{2}$ " Dual Tandem Shaft.
SF1000	$\frac{1}{4}$ " x 1" Universal Flatted Shaft.
SF3000	$\frac{1}{4}$ " x 3" Universal Shaft for front section only.
SK750	$\frac{1}{4}$ " x $\frac{3}{4}$ " Universal Slotted/Flatted/Knurled Shaft.
SK1000	$\frac{1}{4}$ " x 1" Universal Knurled Shaft.
SK3500	$\frac{1}{4}$ " x $3\frac{1}{2}$ " Universal Slotted/Knurled Shaft.
SL2500	$\frac{1}{4}$ " x $2\frac{1}{2}$ " Universal Round Shaft.
SL3500	$\frac{1}{4}$ " x $3\frac{1}{2}$ " Universal Shaft.
SN281	$\frac{1}{4}$ " x $\frac{3}{32}$ " Delrin Shaft with screwdriver slot.
SN1000	$\frac{1}{4}$ " x 1" Universal Delrin Shaft.
SN2000	$\frac{1}{4}$ " x 2" Universal Delrin Shaft.
SL1500	.235" x $1\frac{1}{2}$ " Universal Delrin Shaft.
SL3250	.235" x $3\frac{1}{4}$ " Universal Shaft.
OU3000	.265" x 3" Universal Outer Shaft.
OU6000	.265" x 6" Universal Outer Shaft.
SL250	$\frac{3}{16}$ " x $\frac{1}{4}$ " Knob Adapter.
CS265	.265" x .625" Dual-Tandem Adapter (RUP Front).
SL32	Inner Shaft Tine Slug.
SP2000	2" Plastic Shaft Tube for Extensions and Insulation of $\frac{1}{4}$ " Diameter.

Tools	Description
SL100	Control Separator Tool.
SL101	Inner Shaft Removal Tool.
SL104	Bushing Assembly Tool.

STA-LOC® Control System Data



STA-LOC® Control System - Control Sections

SINGLE CONTROLS USING STA-LOC COMPONENTS

CONTROL REQUIRED	USE THESE COMPONENTS
Standard universal control with bushing measuring $\frac{3}{8}$ " x $\frac{1}{4}$ " and shaft measuring $\frac{1}{4}$ " in diameter.	Use any rear section control (Type RU) along with an SL38 bushing and any of the following shafts: SL3500, SK1000, SF1000, all SN series.
Control with bushing measuring $\frac{3}{8}$ " O.D. and $\frac{3}{16}$ " I.D. and a $\frac{3}{16}$ " diameter shaft.	Use any rear section control (Type RU) along with an SL35 bushing and any inner shaft. An SL32 tine slug is used when a knob with a set screw is to be used on the IS type shaft.
Control with bushing measuring $\frac{5}{16}$ " O.D. and .235 I.D. and a shaft measuring .235 O.D. Used primarily in foreign made sets.	Use any rear section control (Type RU) along with an SL36 bushing and SL3250 shaft.
Tab mount control with $\frac{1}{4}$ " or $\frac{3}{16}$ " shaft.	Use any rear section control (Type RU) along with an SL37 bushing and any of the following shafts: SL3500, SK1000, SF1000, all SN or SD series or any inner shaft.
Push-pull control.	Use the RUP type rear section control along with any of the five snap-on bushings, determined by the type of mounting desired. The SL250 knob adapter may be used to adapt the $\frac{3}{16}$ " shaft to a $\frac{1}{4}$ " knob.
Printed-Circuit control.	Use any rear section control (Type RU) and SL40 bushing and any of the following shafts: SL3500, SK1000, SF1000, all SN or SD series or any inner shaft.
Any front section control (carbon or wirebound) may also be used as a single control. If the knob to be used will fit on a .265 diameter shaft, or if no knob is to be used, any outer shaft (Type OX) may be used without cutting. If the knob to be used will fit only on a $\frac{1}{4}$ " diameter shaft, type SF3000 should be used. If knob to be used will fit only $\frac{3}{16}$ " diameter shaft, type SF3062 should be used. Both of these shafts must be cut to desired length after assembly.	

ORDERING INFORMATION

Mallory Catalog Number

Control Type Prefix _____

P = Panel Control
 RU = Rear Control
 RUP = Rear Control with Push-pull Switch

Resistance Value _____

First two digits represent
 Significant value, last
 digit number of zeros in
 total resistance

Tap _____

T = Single Tap
 DT = Double Tap

Tap Resistance _____

First digit represents
 significant value, last
 digit number of zeros in
 total resistance

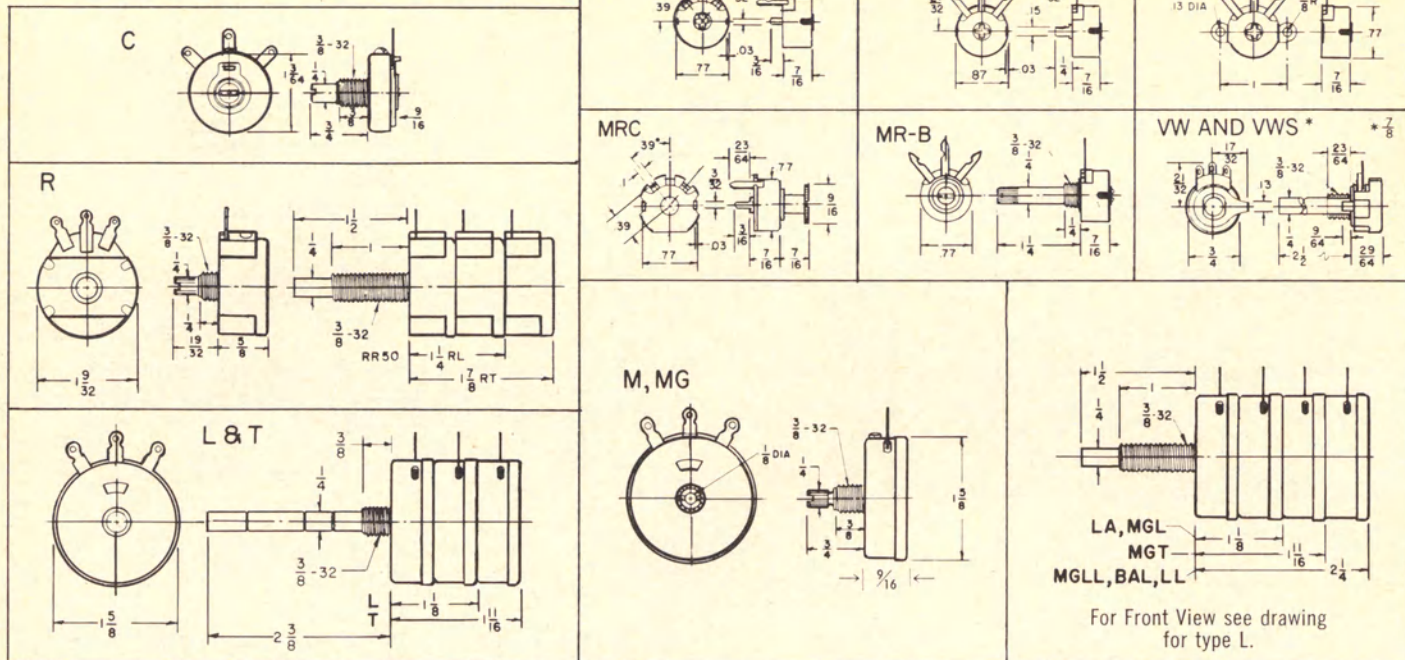
† Taper _____

A = Audio *
 L = Linear *
 R = Reverse Audio *

P 152 T 22 A *

* Taper letter designation appears only on untapped controls.
 † See Taper Explanation on page 48.

Wire Wound Control Data



Audio Attenuators

AUDIO ATTENUATORS

Mallory audio attenuators are available in three wattage ratings: 10 watt RR; 15 watts T, L, LL and BAL; and 50 watts MGL and MGT. All are made to critical audio standards; come complete with mounting hardware. Two case diameters: 1 1/4", RR; 1 1/2" for T, L, LL, BAL, MGL and MGT.

T PAD ATTENUATORS

Present constant impedance to both source (amplifier) and output (speaker).

T PAD STOCK VALUES

Imped., Ohms	Mallory No. for Audio Rating of		
	10 W	15 W	50 W
4		T4	
8	RT8	T8	MGT8
15-16		T15	MGT16
50		T50	
250		T250	
500		T500	
600		T600	
1000		T1000	
2000		T2000	
3000		T3000	

T PAD NET PRICES

With nuts, washers, and dial.

Type	Bushing	Shaft (FMS)	Net Each
RT	3/8"-32 x 1"	1/4" x 1 1/2"	\$4.65
T	3/8"-32 x 3/8"	1/4" x 2"	5.05
MGT	3/8"-32 x 1"	1/4" x 1 1/2"	8.12

STEREO LEVEL CONTROL

50 Ohm tandem dual, level control for low-priced 4- and 8-ohm stereo speakers. Rated 10 watts, audio. Supplied with nuts, washers, dial. Bushing 3/8"-32 x 1". Shaft 1/4" dia. x 1 1/2" lg. Mallory No. RR50—Net Each\$2.83

L PAD ATTENUATORS

Present constant impedance to source (amplifier) used in audio circuits where output (speaker) impedance is not critical.

L PAD STOCK VALUES

Imped., Ohms	Mallory No. for Audio Rating of		
	10 W	15 W	50 W
4	RL4	L4	
4		L4A	
8		L8	
8	RL8	L8A	MGL8
15		L15	
16	RL16	L16A	MGL16
50		L50	
100		L100	
250		L250	
500		L500	
600		L600	
1000		L1000	
2000		L2000	
3000		L3000	
4000		L4000	

L PAD NET PRICES

With nut, washer, and dial.

Type	Bushing	Shaft (FMS)	Net Each
RL	3/8"-32 x 1"	1/4" x 1 1/2"	\$3.00
L	3/8"-32 x 3/8"	1/4" x 2"	3.11
L-A	3/8"-32 x 1"	1/4" x 1 1/2"	3.27
MGL	3/8"-32 x 1"	1/4" x 1 1/2"	4.85

LL PAD ATTENUATORS

Two L pads in tandem for stereo level control. Bushings 3/8"-32 x 1". Shaft 1/4" dia. x 1 1/2" lg. With nuts, washers and deluxe "Level" dial supplied.

Mallory No.	Imped., Ohms	Audio Watts	Net Each
LL4	4	15	\$6.76
LL8	8	15	6.76
LL16	16	15	6.76
LL50	50	15	6.76
MGLL8	8	50	9.70
MGLL16	16	50	9.70

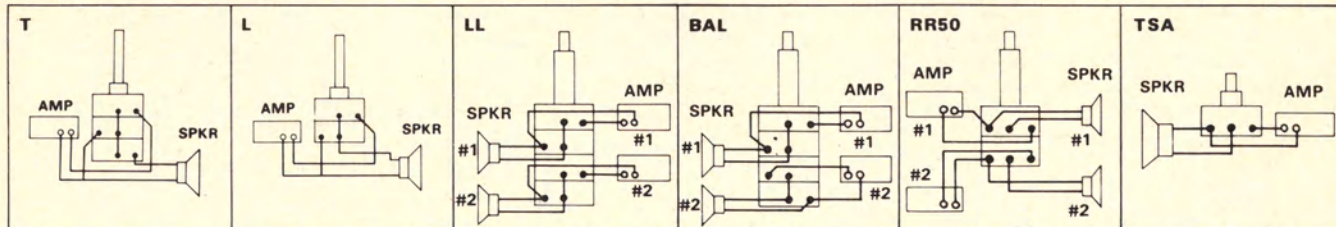
STEREO BALANCE ATTENUATOR

Back-to-back tandem L pads for true stereo balancing. Rated 15 watts, audio. Comes with nuts, washers, and "Balance" dial. Bushing 3/8"-32 x 1". Shaft 1/4" dia. x 1 1/2" lg. Mallory No. BAL8 (8 ohms)—Net Each. .\$.657

THEATRE SPEAKER CONTROLS

Engineered for outdoor movie speakers. Rated 8 watts, audio. Bushing 3/8"-32 x 3/8". Shaft 1/4" dia. x 3/4" lg. With nut.

Mallory No.	Description	Net Each
TSA10	4-ohm L pad	\$1.80
TSA35	35-ohm pot	1.80



Wire Wound Controls

2-WATT TYPE C

Rated 2 watts at 40°C. 1 3/4" diameter. Mech. Rotation: 280°. Elec. Rotation: 255°. Resis. Tolerance: ±10%. Contact arm grounded. Bushing: 3/8"-32 x 3/8". Shaft: 1/4" dia. x 3/4" FMS with screwdriver slot. Furnished with nut.

POTENTIOMETERS

Mallory No.	Ohms Resis.	Carrying Capacity in Amps	Net Each
C6P	6	.58	\$1.39
C10P	10	.45	1.39
C50P	50	.2	1.39
C100P	100	.14	1.39
C1MP	1K	.045	1.50
C3MP	3K	.025	1.50
C10MP	10K	.014	1.85

3-WATT TYPE R

Standard TV wire-wound control rated 3 watts at 40°C. 1 3/4" diameter. Mech Rotation: 297°. Elec. Rotation: 290°. Voltage Breakdown: 900 VAC rms. Tolerance: ±10%. Bushing: 3/8"-32 x 1/4". Shaft: 1/4" dia. x 1/2" FMS, knurled with screwdriver slot. Furnished with nut. See listing below for switches for R controls.

Mallory No.	Ohms Resis.	Net Each	Mallory No.	Ohms Resis.	Net Each
R8L	8	\$1.22	R1000L	1000	\$1.22
R10L	10	1.22	R1500L	1500	1.22
R20L	20	1.22	R2500L	2500	1.22
R25L	25	1.22	R3000L	3000	1.22
R50L	50	1.22	R5000L	5000	1.22
R100L	100	1.22	R10ML	10000	1.36
R250L	250	1.22	R15ML	15000	1.36
R500L	500	1.22	R20ML	20000	1.36
R750L	750	1.22			

TYPE VWS

The VWS Control is identical to the VW except the shaft length is 7/8" FMS. Tolerance: ±10%.

Mallory No.	Ohms Res.	Net Each	Mallory No.	Ohms Res.	Net Each
VWS1	1	\$1.86	VWS250	250	\$1.86
VWS2	2	1.86	VWS300	300	1.86
VWS3	3	1.86	VWS400	400	1.86
VWS5	5	1.86	VWS500	500	1.86
VWS6	6	1.86	VWS600	600	1.86
VWS8	8	1.86	VWS750	750	1.86
VWS10	10	1.86	VWS1K	1000	1.86
VWS15	15	1.86	VWS1P5K	1500	1.86
VWS20	20	1.86	VWS2K	2000	1.86
VWS25	25	1.86	VWS2P5K	2500	1.86
VWS30	30	1.86	VWS3K	3000	1.86
VWS40	40	1.86	VWS5K	5000	1.86
VWS50	50	1.86	VWS7P5K	7500	1.88
VWS60	60	1.86	VWS10K	10K	1.88
VWS75	75	1.86	VWS15K	15K	1.95
VWS100	100	1.86	VWS20K	20K	1.95
VWS200	200	1.86	VWS25K	25K	2.07

SWITCHES FOR TYPE R POTS

Mallory No.	Description	Net
US30	Single Pole, Single Throw	\$0.57

4-WATT TYPE M

Rated 4 watts at 40°C. 1 3/4" diameter. Mech. Rotation: 294°. Elec. Rotation: 275°. Resis. Tolerance: ±10%. Voltage Breakdown: 900 VAC rms. Tolerance: ±10%. Bushing: 3/8"-32 x 3/8" FMS. Shaft: 1/4" dia. x 3/4" FMS, knurled with screwdriver slot. Furnished with nut.

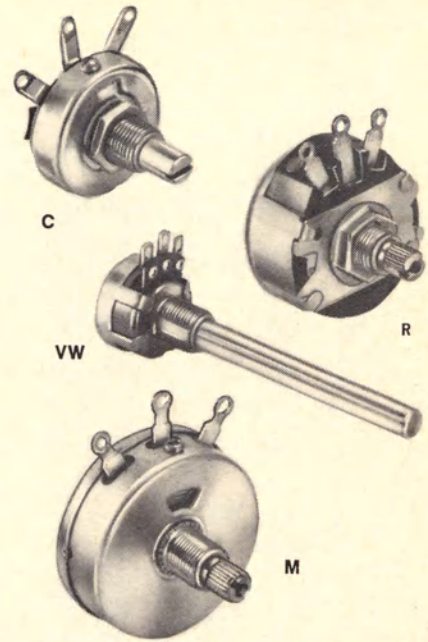
POTENTIOMETERS

Mallory No.	Ohms Resis.	Capacity in Amps	Net Each
M1PK	1	2.00	\$1.69
M3PK	3	1.15	1.69
M6PK	6	.82	1.69
M10PK	10	.63	1.69
M15PK	15	.52	1.69
M20PK	20	.45	1.69
M25PK	25	.40	1.69
M30PK	30	.37	1.69
M40PK	40	.32	1.69
M50PK	50	.28	1.69
M60PK	60	.26	1.69
M75PK	75	.23	1.69
M100PK	100	.20	1.69
M200PK	200	.14	1.69
M300PK	300	.116	1.69
M400PK	400	.10	1.69
M500PK	500	.09	1.69
M600PK	600	.082	1.69
M1MPK	1K	.063	1.69
M1.5MPK	1.5K	.052	1.69
M2MPK	2K	.045	1.69
M2.5MPK	2.5K	.04	1.69
M3MPK	3K	.037	1.69
M4MPK	4K	.032	1.69
M5MPK	5K	.028	1.69
M10MPK	10K	.02	1.69
M15MPK	15K	.016	1.86
M20MPK	20K	.014	1.86
M25MPK	25K	.013	1.86
M50MPK	50K	.009	2.19
M70MPK	70K	.0075	2.19
M100MPK	100K	.0062	3.09

5-WATT TYPE VW SUBMINIATURE

Rated 5 watts at 35°C. 3/4" diameter. Mech. Rotation: 305°. Elec. Rotation: 275°. Resis. Tolerance: ±10%. Voltage Breakdown: 900 VAC rms. Bushing: 3/8"-32 x 3/8". Shaft: 1/4" dia. x 2 1/2" FMS. Furnished with nut and lug.

Mallory No.	Ohms Res.	Net Each	Mallory No.	Ohms Res.	Net Each
VW1	1	\$1.82	VW300	300	\$1.82
VW2	2	1.82	VW400	400	1.82
VW3	3	1.82	VW500	500	1.82
VW5	5	1.82	VW600	600	1.82
VW6	6	1.82	VW750	750	1.82
VW8	8	1.82	VW1K	1000	1.82
VW10	10	1.82	VW1P5K	1500	1.94
VW15	15	1.82	VW2K	2000	1.94
VW20	20	1.82	VW2P5K	2500	1.94
VW25	25	1.82	VW3K	3000	1.94
VW30	30	1.82	VW4K	4000	1.94
VW40	40	1.82	VW5K	5000	1.94
VW50	50	1.82	VW7P5K	7500	1.94
VW60	60	1.82	VW10K	10K	1.94
VW75	75	1.82	VW15K	15K	1.98
VW100	100	1.82	VW20K	20K	1.98
VW200	200	1.82	VW25K	25K	2.07
VW250	250	1.82			



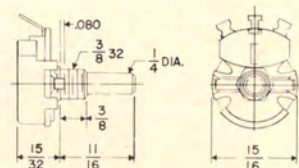
RHEOSTATS*

Mallory No.	Ohms Resis.	Capacity in Amps	Net Each
M05RK	0.5	2.80	\$1.47
M6RK	6	.82	1.47
M10RK	10	.63	1.47
M15RK	15	.52	1.47
M50RK	50	.28	1.47

*"Open" or "Off" position counterclockwise.

TYPE LW

Rated 5 watts @ 25°C; 4 watts @ 55°C. 1 3/8" cup dia. Mechanical Rotation: 300°; Electrical Rotation: 280° ±5%; Tolerance ±10% standard; Taper: linear; Screwdriver slotted shaft. Request Bulletin 9-673 for complete technical data.



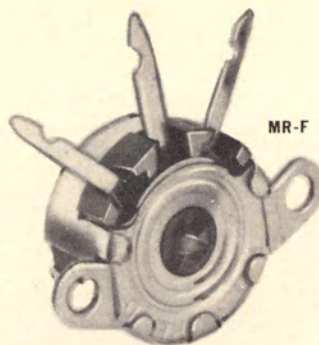
Mallory No.	Ohms	Net Each	Mallory No.	Ohms	Net Each
LW1	1	\$1.21	LW250	250	\$1.21
LW3	3	1.21	LW400	400	1.24
LW5	5	1.21	LW500	500	1.24
LW8	8	1.21	LW750	750	1.24
LW10	10	1.21	LW1K	1K	1.24
LW15	15	1.21	LW1P5K	1.5K	1.30
LW20	20	1.21	LW2K	2K	1.30
LW25	25	1.21	LW2P5K	2.5K	1.30
LW30	30	1.21	LW5K	5K	1.43
LW50	50	1.21	LW7P5K	7.5K	1.43
LW75	75	1.21	LW10K	10K	1.43
LW100	100	1.21	LW20K	20K	1.52
LW200	200	1.21	LW25K	25K	1.62

Wire Wound Controls

12½-WATT TYPE MG

Rated 12½ watts at 35°C. 1½" diameter. Mech. Rotation: 294°. Elec. Rotation: 275°. Resis. Tolerance: ±10%. Voltage Breakdown: 900 VAC rms. Bushing: ⅜"-32 x ⅜" FMS. Shaft: ¼" dia. x ⅜" FMS, knurled with screw-driver slot. Furnished with nut.

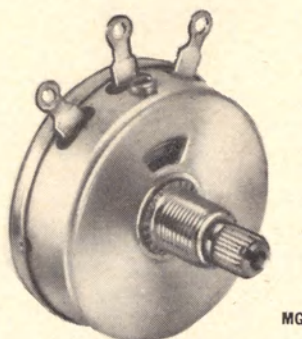
Mallory No.	Ohms Res.	Net Each	Mallory No.	Ohms Res.	Net Each
MG1	1	\$2.73	MG1000	1000	\$2.78
MG3	3	2.73	MG1500	1500	2.78
MG10	10	2.73	MG2500	2500	2.78
MG15	15	2.73	•MG4000	4000	2.78
MG25	25	2.73	MG5000	5000	2.78
MG50	50	2.73	MG10K	10K	2.90
MG100	100	2.73	MG20K	20K	2.90
MG200	200	2.73	MG25K	25K	2.90
			MG50K	50K	3.14
MG500	500	2.73	MG100K	100K	3.41



MR-F

3-WATT TYPE MR WIRE-WOUND CONTROLS

Only ¾" diameter, MR controls are used for applications in AGC, convergence, hum-balance, etc. Case is fully enclosed: MR, all metal; MRC, metal mounting plate and cup with molded nylon knob. Five mounting configurations available. Conversion from cross-slot adjustment to shaft may be made using plug-in shafts listed. Wattage Rating at 40°C: 3 watts. Rotation: 250° mechanical; 248° electrical. Resistance Tolerance: MR, ±20%; MRC, ±10%. Voltage Breakdown: MR, 900 VAC rms; MRC has grounded contact arm.



MG

MR-B 3-WATT BUSHING MOUNT

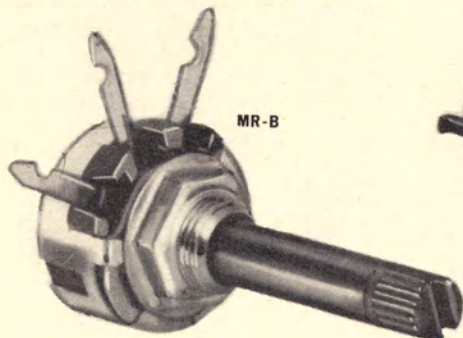
Bushing ⅜"-32 x ¼". One MRS1250 Shaft is packaged with each control. Supplied with pal nut.

Mallory No.	Ohms Res.	Net Each	Mallory No.	Ohms Res.	Net Each
MR10B	10	\$1.21	MR1000B	1000	\$1.21
MR50B	50	1.21	MR2500B	2500	1.21
MR100B	100	1.21	MR5000B	5000	1.21
MR250B	250	1.21	MR10KB	10K	1.41
MR500B	500	1.21	MR15KB	15K	1.41

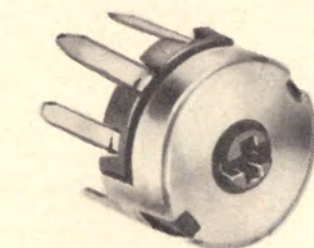
MR-T 3-WATT TAB MOUNT

Shafts MRS1250 or MRS1563 shown below can be inserted in control from front or rear.

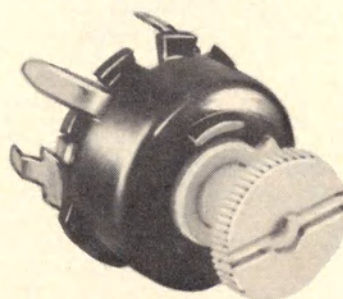
Mallory No.	Ohms Res.	Net Each	Mallory No.	Ohms Res.	Net Each
MR10T	10	\$0.86	MR2500T	2500	\$0.92
MR50T	50	.86	MR3000T	3000	.92
MR100T	100	.86	MR4000T	4000	.92
MR250T	250	.86	MR5000T	5000	1.00
MR500T	500	.86	MR8000T	8000	1.00
MR850T	850	.86	MR10KT	10K	1.09
MR1000T	1000	.86	MR15KT	15K	1.21



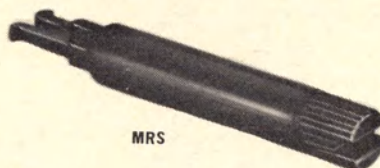
MR-B



MR-P



MRC



MRS

MR-F 3-WATT FLANGE MOUNT

Mounting ears with .130" dia. holes on 1" center. Shafts MRS1250 or MRS1563 shown below can be inserted in control from front or rear.

Mallory No.	Ohms Res.	Net Each	Mallory No.	Ohms Res.	Net Each
MR6F	6	\$0.88	MR750F	750	\$0.88
MR15F	15	.88	MR1000F	1000	.88
MR40F	40	.88	MR1500F	1500	.88
MR75F	75	.88	MR2000F	2000	.88
MR100F	100	.88	MR2500F	2500	.88
MR150F	150	.88	MR3000F	3000	.88
MR200F	200	.88	MR4000F	4000	.88
MR250F	250	.88	MR5000F	5000	.88
MR500F	500	.88	MR10000F	10K	.88
MR600F	600	.88			

MR-P 3-WATT PC MOUNT

Printed circuit board mounting. Shafts MRS1250 or MRS1563 shown below can be inserted in control from front or rear.

Mallory No.	Ohms Res.	Net Each	Mallory No.	Ohms Res.	Net Each
MR1.5P	1.5	\$0.88	MR1000P	1000	\$0.88
MR15P	15	.88	MR1500P	1500	.88
MR100P	100	.88	MR3000P	3000	.88
MR175SP	175*	.88	MR4000P	4000	.88
MR600P	600	.88	MR5000P	5000	.88

*Stop at 60 ohms.

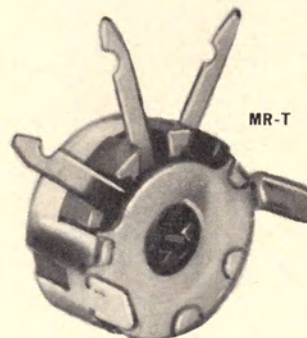
MRC-P 3-WATT PC MOUNT

Convergence controls with printed circuit board mounting and permanent knob.

Mallory No.	Ohms Res.	Net Each	Mallory No.	Ohms Res.	Net Each
MRC10P	10	\$0.88	MRC120P	120	\$0.88
MRC30P	30	.88	MRC150P	150	.88
MRC100P	100	.88			

SHAFTS FOR MR CONTROLS

Mallory No. MRS1250—¼" dia. x 1¼" FMS knurled and slotted nylon. Plugs into either end of MR controls. Net Each \$0.17
Mallory No. MRS1563—¼" dia. x 1½" FMS, knurled, slotted nylon. Net Each \$0.17



MR-T

Power Rheostats

Mallory power rheostats utilize vitreous enamel construction for maximum environmental protection. All current-carrying parts are electrically insulated by dimensionally stable ceramic.

All types except the 12½ and 500 watt rated units are listed under the Underwriters Laboratories Reexamination Service. Current ratings listed

are for continuous operation in free air. If units are enclosed currents should be reduced by as much as 50% depending upon ventilation.

The rheostat will dissipate rated wattage at rated current with the total resistance of the rheostat in the circuit.

All tapers are linear.

TYPE M 12.5 WATTS

Dia. 7/8" O.D. Depth behind panel 11/16"—Rotation 300°—Mounts on panels up to 1/8" thick by means of 1/4"-32 Bushing and Hex Nut. Non-turn lug requires 1/8" hole 1/4" below center of shaft.

Mallory No.	Ohms	Max. Amps	Steps	Net Each
M0101	1	3.53	28	\$7.28
M0102	2	2.50	29	7.28
M0104	6	1.44	35	7.28
M0105	8	1.25	53	7.28
M0106	10	1.12	50	7.28
M0108	25	.71	72	7.07
M0110	50	.50	92	7.07
M0111	75	.41	105	7.07
M0112	100	.35	102	7.07
M0113	125	.32	110	7.07
M0114	175	.27	155	7.07
M0115	250	.22	170	7.07
M0116	350	.19	190	7.07
M0117	500	.16	210	7.07
M0119	1000	.11	260	7.28
M0120	1500	.091	209	7.28
M0121	2500	.071	323	7.28
M0122	3500	.060	400	8.78
M0123	5000	.050	340	8.78
M4191	10000	.035	560	9.39

TYPE 25K 25-WATTS

Dia. 1 9/16"—Depth behind panel 1 3/8"—Shaft 1/4" dia. Rotation 300°—Mounts on panels up to 1/4" by means of 3/8"-32 Bushing and Hex. Nut—Non-turn lug requires 3/16" hole 1/2" below center of shaft. UL listed. Weight 0.19 lb.

Mallory No.	Ohms	Max. Amps	Steps	Net Each
25K1P	1	5.000	30	\$7.65
25K2P	2	3.540	29	7.65
25K3P	3	2.880	51	7.65
25K6P	6	2.040	50	7.65
25K8P	8	1.770	52	7.65
25K10P	10	1.580	52	7.65
25K15P	15	1.290	74	7.43
25K25P	25	1.000	95	7.43
25K35P	35	.845	107	7.43
25K50P	50	.707	97	7.43
25K75P	75	.575	117	7.43
25K100P	100	.500	123	7.43
25K125P	125	.447	155	7.43
25K175P	175	.378	171	7.43
25K250P	250	.316	159	7.43
25K350P	350	.267	210	7.43
25K500P	500	.222	245	7.43
25K750P	750	.182	286	7.43
25K1000P	1000	.155	305	7.65
25K1500P	1500	.129	380	7.65
25K2500P	2500	.100	300	7.65
25K3500P	3500	.084	335	8.63
25K5000P	5000	.070	380	8.63

TYPE 50K 50-WATTS

Dia. 2 5/16"—Depth behind panel 1 3/8"—Shaft 1/4" dia. Rotation 300°—Mounts on panels up to 1/4" by means of 3/8"-32 Bushing and Hex. Nut—Non-turn lug requires 3/16" hole 1/2" below center of shaft. UL listed. Weight 0.32 lb.

Mallory No.	Ohms	Max. Amps	Steps	Net Each
50K.5P	.5	10.000	25	\$8.99
50K1P	1	7.070	44	8.99
50K2P	2	5.000	44	8.99
50K4P	4	3.530	44	8.99
50K6P	6	2.880	74	8.99
50K8P	8	2.500	82	8.01
50K12P	12	2.040	85	8.01
50K16P	16	1.760	89	8.01
50K22P	22	1.500	98	8.01
50K35P	35	1.190	126	8.01
50K50P	50	1.000	111	8.01

Mallory No.	Ohms	Max. Amps	Steps	Net Each
50K80P	80	.790	143	8.01
50K125P	125	.630	177	8.01
50K150P	150	.575	175	8.01
50K225P	225	.470	203	8.01
50K300P	300	.408	215	8.01
50K500P	500	.316	286	8.01
50K800P	800	.250	286	8.50
50K1000P	1000	.224	360	8.50
50K1600P	1600	.176	368	8.50
50K2500P	2500	.141	463	8.50
50K3500P	3500	.119	510	8.99
50K5000P	5000	.100	442	8.99
50K8000P	8000	.079	560	8.99
50K10000P	10000	.070	567	8.99

TYPE 75K 75-WATTS

Dia. 2 3/4"—Depth behind panel 1 3/4"—Shaft 1/4" dia. Rotation 300°—Mounts on panels up to 1/4" by means of 3/8"-32 Bushing and Hex. Nut—Non-turn lug requires 3/16" hole 1/2" below center of shaft. UL listed. Weight 0.52 lb.

Mallory No.	Ohms	Max. Amps	Steps	Net Each
75K.5P	.5	12.20	28	\$15.97
75K2P	2	6.12	28	14.06
75K3P	3	5.00	53	14.06
75K5P	5	3.88	54	14.06
75K7.5P	7.5	3.16	51	14.06
75K10P	10	2.74	55	14.06
75K25P	25	1.73	113	11.41
75K50P	50	1.22	143	11.41
75K75P	75	1.00	134	11.41
75K100P	100	.87	180	11.41
75K200P	200	.61	186	11.41
75K300P	300	.50	217	11.41
75K400P	400	.43	230	11.41
75K500P	500	.39	291	11.41
75K1000P	1000	.27	351	11.41
75K10000P	10000	.09	568	15.74

TYPE 100K 100-WATTS

Dia. 3 1/8"—Depth behind panel 1 3/4"—Shaft 1/4" dia. Rotation 300°—Mounts on panels up to 1/4" by means of 3/8"-32 Bushing and Hex. Nut—Non-turn lug requires 3/16" hole 1/2" below center of shaft. UL listed. Weight 0.64 lb.

Mallory No.	Ohms	Max. Amps	Steps	Net Each
100K.5P	.5	14.1	33	\$16.42
100K1P	1	10.00	33	16.42
100K2P	2	7.07	33	15.28
100K3P	3	5.77	30	15.28
100K5P	5	4.47	57	15.28
100K7.5P	7.5	3.65	60	15.28
100K10P	10	3.16	57	15.28
100K16P	16	2.50	124	12.82
100K25P	25	2.00	107	12.82
100K50P	50	1.41	135	12.82
100K75P	75	1.15	158	12.82
100K100P	100	1.00	168	12.82
100K200P	200	.71	213	12.82
100K300P	300	.58	259	12.82
100K400P	400	.50	270	12.82
100K500P	500	.45	269	12.82
100K750P	750	.37	319	15.28
100K1000P	1000	.32	330	15.28
100K1500P	1500	.26	402	15.28
100K2500P	2500	.20	515	15.28
100K5000P	5000	.14	560	15.97
100K7500P	7500	.12	495	16.98
100K10000P	10000	.10	673	18.16

TYPE 150K 150-WATTS

Dia. 4"—Depth behind panel 2"—Shaft 1/4" diameter. Rotation 300°—Mounting for panels up to 1/4", 3/8"-32 Bushing and Hex. Nut or two 10-32 flat head screws, mounting centers 7/8" each side of center of shaft on line perpendicular to center terminal. UL listed. Weight 1.1 lb.

Mallory No.	Ohms	Max. Amps	Steps	Net Each
150K1P	1	12.30	44	\$18.20
150K2P	2	8.66	43	18.20
150K3P	3	7.07	74	15.92
150K5P	5	5.48	78	15.92
150K7.5P	7.5	4.47	81	15.92
150K10P	10	3.87	77	15.92
150K15P	15	3.16	130	15.92
150K25P	25	2.45	114	14.77
150K35P	35	2.07	125	14.77
150K50P	50	1.73	142	14.77
150K75P	75	1.41	170	14.77
150K100P	100	1.22	177	14.77
150K150P	150	1.00	215	14.77
150K200P	200	.87	229	14.77
150K250P	250	.77	285	14.77
150K350P	350	.66	315	14.77
150K500P	500	.55	366	14.77
150K750P	750	.45	335	17.07
150K1250P	1250	.35	453	17.07
150K1800P	1800	.290	497	18.33
150K2250P	2250	.26	511	17.98
150K3000P	3000	.22	526	18.33
150K4500P	4500	.18	630	20.33
150K7500P	7500	.14	894	23.29
150K10000P	10000	.12	929	24.91

TYPE 225K 225-WATTS

Dia. 5"—Depth behind panel 2 1/8"—Shaft 3/8" dia. Rotation 310°—Mounting for panels up to 1 1/4" by two 1/4"-20 screws, mounting centers (M) 1 3/8" each side of center of shaft on center line of cross bar. UL listed. Weight 2 lbs.

Mallory No.	Ohms	Max. Amps	Steps	Net Each
225K2P	2	10.60	42	\$24.46
225K3P	3	8.66	43	24.46
225K5P	5	6.71	57	24.46
225K10P	10	4.74	103	24.46
225K15P	15	3.87	109	24.46
225K25P	25	3.00	115	24.46
225K50P	50	2.12	183	24.46
225K75P	75	1.73	192	24.46
225K100P	100	1.50	268	24.46
225K150P	150	1.22	256	24.46
225K200P	200	1.06	337	24.46
225K300P	300	.87	323	24.46
225K400P	400	.75	343	24.46
225K700P	700	.57	484	24.46
225K900P	900	.50	493	24.46
225K1200P	1200	.43	520	24.46
225K1500P	1500	.39	647	24.46
225K2500P	2500	.30	652	24.46

TYPE 300K 300-WATTS

Dial 6"—Depth behind panel 2 3/8"—Shaft 3/8" dia. Rotation 320°—Mounting for panels up to 1 1/4" by two 1/4"-20 screws, (supplied) mounting centers (M) 1 3/16" each side of center of shaft on center line of cross-bar. UL listed. Weight 2.6 lbs.

Mallory No.	Ohms	Max. Amps	Steps	Net Each
300K1P	1	17.32	50	\$28.11
300K2P	2	12.25	52	28.11
300K3P	3	10.0	52	28.11
300K4P	4	8.66	78	28.11
300K5P	5	7.75	78	28.11
300K10P	10	5.48	78	28.11
300K15P	15	4.47	144	28.11
300K25P	25	3.46	135	28.11
300K50P	50	2.45	218	28.11
300K75P	75	2.00	225	28.11
300K100P	100	1.73	287	28.11
300K150P	150	1.41	338	28.11
300K200P	200	1.22	361	28.11
300K300P	300	1.00	427	28.11
300K400P	400	.87	460	28.11

CONTINUED →

Power Rheostats

Mallory No.	Ohms	Max. Amps	Steps	Net Each
300K700P	700	.66	504	28.11
300K900P	900	.58	528	28.11
300K1200P	1200	.50	546	28.11
300K1500P	1500	.45	678	28.11
300K1750P	1750	.41	626	26.25
300K2500P	2500	.35	785	28.11

TYPE 500K 500-WATTS

Dia. 8"—Depth behind panel 2 1/8"—Shaft 3/8" 1 1/4" by two 1/4" 20 screws, mounting centers dia. Rotation 325°—Mounting for panels up to (M) 1 1/2" each side of center of shaft on center line of cross-bar. Weight 4 lbs.

Mallory No.	Ohms	Max. Amps	Steps	Net Each
500K1P	1	22.40	69	\$33.40

Mallory No.	Ohms	Max. Amps	Steps	Net Each
500K1.5P	1.5	18.20	79	33.40
500K2P	2	15.80	75	29.79
500K3P	3	12.90	78	33.40
500K4P	4	11.20	73	33.40
500K5P	5	10.00	103	33.40
500K8P	8	7.90	103	33.40
500K12.5P	12.5	6.30	103	33.40
500K16P	16	5.60	188	33.40
500K25P	25	4.47	230	33.40
500K40P	40	3.54	206	33.40
500K50P	50	3.16	206	33.40
500K80P	80	2.52	327	33.40
50K125P	125	2.00	327	33.40
500K175P	175	1.69	423	33.40

Mallory No.	Ohms	Max. Amps	Steps	Net Each
500K250P	250	1.41	488	33.40
500K325P	325	1.24	500	33.40
500K500P	500	1.00	609	33.40
500K750P	750	.82	727	33.40
500K1000P	1000	.71	771	33.40
500K1500P	1500	.58	935	33.40
500K2500P	2500	.45	968	33.40

Recommended Knobs and Dial Plates

Wattage	Shaft Dia.	Knob	Dial Plate
12.5	1/8"	1910 *	M5007 *
25-150	3/8"	367-1, M5106 *	395 *
225-500	3/8"	M5104 *	M5001 *

* Described on page 46.

Power Resistors

TYPE AE WIRE-WOUND RESISTORS AXIAL LEAD VITREOUS ENAMEL COATED

Mallory type AE wire-wound resistors have axial leads and a tough green vitreous enamel coating. Available in three power ratings: 3, 5 and 10 watts. The equivalent MIL-R-26 styles are: RW59 (3AE), RW57 (5AE) and RW58 (10AE). To Order: use type number followed by resistance value (e.g., 3AE4000) Tolerance: ±5% except (*), ±10%

TYPE AE RESISTOR SIZES

Type	Diameter	Length	Lead
3AE	1/4"	3/8"	#20
5AE	11/32"	1"	#20
10AE	13/32"	1 1/4"	#20

	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each
3-WATT TYPE 3AE	1*	\$0.70	10*	\$0.70	39	\$0.70	150	\$0.70	330	\$0.70	680	\$0.70	1200	\$0.77	3300	\$0.77	8000	\$0.77
	1.5*	.70	12	.70	50	.70	200	.70	350	.70	700	.70	1250	.77	3500	.77	9000	.77
	2*	.70	15	.70	51	.70	220	.70	400	.70	750	.70	1500	.77	4000	.77	10,000	.77
	3*	.70	20	.70	75	.70	225	.70	450	.70	800	.70	1750	.77	4500	.77		
	4*	.70	25	.70	100	.70	250	.70	500	.70	820	.70	2000	.77	5000	.77		
	5*	.70	30	.70	120	.70	270	.70	510	.70	900	.70	2200	.77	7000	.77		
5-WATT TYPE 5AE	6*	.70	33	.70	125	.70	300	.70	600	.70	1000	.70	2500	.77	7500	.77		
	1*	\$0.65	10*	\$0.65	40	\$0.65	225	\$0.65	700	\$0.65	1200	\$0.67	3000	\$0.67	7500	\$0.80	22,500	\$1.01
	1.5*	.65	12	.65	50	.65	250	.65	750	.65	1250	.67	3500	.67	10,000	.80	25,000	1.01
	2*	.65	15	.65	75	.65	300	.65	800	.65	1500	.67	4000	.67	12,500	.92		
	3*	.65	20	.65	100	.65	400	.65	820	.65	1750	.67	4500	.67	15,000	.92		
	4*	.65	25	.65	125	.65	450	.65	900	.65	2000	.67	5000	.67	17,500	.92		
10-WATT TYPE 10AE	5*	.65	30	.65	150	.65	500	.65	1000	.65	2250	.67	6000	.80	18,000	.92		
	7.5*	.65	35	.65	200	.65	600	.65	1100	.67	2500	.67	7000	.80	20,000	.92		
	1*	\$0.77	12	\$0.77	68	\$0.77	300	\$0.77	1000	\$0.77	2500	\$0.87	7000	\$0.91	12,500	\$1.01	40,000	\$1.13
	1.5*	.77	15	.77	82	.77	350	.77	1200	.87	3000	.87	7500	.91	15,000	1.01	45,000	1.28
	2*	.77	20	.77	100	.77	400	.77	1250	.87	3500	.87	8000	.91	16,000	1.01	50,000	1.28
	3*	.77	25	.77	125	.77	500	.77	1500	.87	4000	.87	8500	.91	18,000	1.01		
	4*	.77	30	.77	150	.77	600	.77	1750	.87	4500	.87	9000	.91	20,000	1.01		
	5*	.77	40	.77	200	.77	750	.77	1800	.87	4700	.87	10,000	.91	22,500	1.13		
	7.5*	.77	47	.77	225	.77	800	.77	2000	.87	5000	.87	11,000	1.01	25,000	1.13		
	10*	.77	50	.77	250	.77	820	.77	2250	.87	5600	.91	12,000	1.01	30,000	1.13		

*Tolerance ±10%; all others, ±5%.

TYPE MOL METAL OXIDE FILM RESISTORS

Mallory MOL resistors have a thin layer of metal oxide evaporated onto a high quality ceramic rod. A precision ground spiral provides exactly the correct resistance. The MOL is essentially non-inductive with superb stability characteristics. May be used in place of either composition carbon deposited carbon or wire-wound types. Full wattage at 70°C ambient. To Order: Use type number followed by resistance value (e.g., 2MOL1000). Tolerance: ±10%. Flame Proof Coated.

TYPE MOL RESISTOR SIZES

Type	Diameter	Length	Lead
2MOL	5/16"	1 1/4"	#20
3MOL	5/16"	1 5/8"	#20
4MOL	5/16"	1 3/4"	#20
5MOL	5/16"	1 3/4"	#20
7MOL	5/16"	2 1/4"	#20

	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each
2-WATT TYPE 2MOL	33	\$0.30	82	\$0.30	220	\$0.30	560	\$0.30	1500	\$0.30	3300	\$0.30	6800	\$0.30	15K	\$0.30	33K	\$0.30
	39	.30	100	.30	270	.30	680	.30	1800	.30	3900	.30	8200	.30	18K	.30	39K	.30
	47	.30	120	.30	330	.30	820	.30	2200	.30	4700	.30	10K	.30	22K	.30	47K	.30
	56	.30	150	.30	390	.30	1000	.30	2700	.30	5600	.30	12K	.30	27K	.30	56K	.30
	68	.30	180	.30	470	.30	1200	.30										
3-WATT TYPE 3MOL	39	\$0.32	100	\$0.32	270	\$0.32	680	\$0.32	1800	\$0.32	4700	\$0.32	8200	\$0.32	16K	\$0.32	33K	\$0.34
	47	.32	120	.32	330	.32	820	.32	2200	.32	5100	.32	10K	.32	18K	.32	39K	.34
	56	.32	150	.32	390	.32	1000	.32	2700	.32	5600	.32	12K	.32	22K	.32	47K	.34
	68	.32	180	.32	470	.32	1200	.32	3300	.32	6800	.32	15K	.32	27K	.34	56K	.34
	82	.32	220	.32	560	.32	1500	.32	3900	.32								
4-WATT TYPE 4MOL	82	\$0.34	220	\$0.34	560	\$0.34	1500	\$0.34	3300	\$0.34	6800	\$0.34	15K	\$0.37	33K	\$0.39	68K	\$0.39
	100	.34	270	.34	680	.34	1800	.34	3900	.34	8200	.34	18K	.37	39K	.39	82K	.39
	120	.34	330	.34	820	.34	2200	.34	4700	.34	10K	.34	22K	.37	47K	.39	100K	.39
	150	.34	390	.34	1000	.34	2700	.34	5600	.34	12K	.37	27K	.39	56K	.39	120K	.39
	180	.34	470	.34	1200	.34												
5-WATT TYPE 5MOL	100	\$0.34	270	\$0.34	680	\$0.34	1800	\$0.34	3900	\$0.34	6800	\$0.34	15K	\$0.37	33K	\$0.39	68K	\$0.39
	120	.34	330	.34	820	.34	2200	.34	4300	.34	8200	.34	18K	.37	39K	.39	82K	.39
	150	.34	390	.34	1000	.34	2700	.34	4700	.34	10K	.34	22K	.37	47K	.39	100K	.39
	180	.34	470	.34	1200	.34	3300	.34	5000	.34	12K	.37	27K	.39	56K	.39	120K	.39
	220	.34	560	.34	1500	.34	3600	.34	5600	.34								

CONTINUED →

Power Resistors

	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each
7-WATT TYPE 7MOL	120	\$0.37	330	\$0.37	820	\$0.37	2200	\$0.37	4300	\$0.37	8200	\$0.37	15K	\$0.41	33K	\$0.45
	150	.37	390	.37	1000	.37	2700	.37	4700	.37	10K	.37	18K	.41	39K	.45
	180	.37	470	.37	1200	.37	3300	.37	5600	.37	11K	.41	22K	.41	47K	.45
	220	.37	560	.37	1500	.37	3600	.37	6800	.37	12K	.41	27K	.45	56K	.45
	270	.37	680	.37	1800	.37	3900	.37	7000	.37	13K	.41			120K	.45



MOUNTING FEET

No.	Fits Type	Net
30V	8-watt, 12-watt	4¢
31V	20, 25, 50 and 75-watt	7¢
33V	100-watt	20¢
32V	200-watt	11¢
35V	160-watt	17¢

ADJUSTABLE CLIPS

No.	Fits Type	Net
1V	1AV	33¢
3V	2AV, 5AV, 7.5AV	33¢
4V	10AV	33¢
6V	16AV, 20AV	46¢

FIXED VITREOUS TYPE HHJ AND HJ RESISTORS

	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each
8-WATT TYPE HHJ	1*	\$0.75	7.5*	\$0.75	35	\$0.75	150	\$0.75	400	\$0.75	800	\$0.75	1500	\$0.77	4000	\$0.77
	1.5*	.75	10*	.75	40	.75	200	.75	450	.75	900	.75	2000	.77	4500	.77
	2*	.75	15	.75	50	.75	225	.75	500	.75	1000	.75	2250	.77	5000	.77
	3*	.75	20	.75	75	.75	250	.75	600	.75	1100	.77	2500	.77	6000	.80
	4*	.75	25	.75	100	.75	300	.75	700	.75	1200	.77	3000	.77	7500	.80
	5*	.75	30	.75	125	.75	350	.75	750	.75	1250	.77	3500	.77	8000	.80
12-WATT TYPE 1HJ	1*	\$0.96	15	\$0.80	68	\$0.80	250	\$0.80	800	\$0.80	2000	\$0.84	5600	\$0.87	12,500	\$1.02
	2*	.96	20	.80	75	.80	300	.80	820	.80	2250	.84	6000	.87	13,500	1.02
	3*	.96	25	.80	82	.80	350	.80	900	.80	2500	.84	7000	.87	15,000	1.02
	4*	.96	30	.80	100	.80	400	.80	1000	.80	3000	.84	8200	.87	16,000	1.02
	5*	.96	35	.80	125	.80	450	.80	1100	.84	3500	.84	8500	.87	18,000	1.02
	7.5*	.96	40	.80	150	.80	500	.80	1250	.84	4000	.84	9000	.87	20,000	1.02
	10*	.96	47	.80	200	.80	600	.80	1500	.84	4500	.84	10,000	.87	25,000	1.13
	12	.96	50	.80	225	.80	750	.80	1800	.84	5000	.84	11,000	1.02	30,000	1.13
20-WATT TYPE 2HJ	1	\$0.97	15	\$0.87	100	\$0.87	300	\$0.87	1000	\$0.87	2250	\$0.91	4000	\$0.91	7500	\$1.13
	2	.97	25	.87	150	.87	400	.87	1250	.87	2500	.91	4500	.91	10,000	1.13
	5	.97	50	.87	200	.87	500	.87	1500	.87	2750	.91	5000	.91	12,500	1.16
	10	.87	75	.87	250	.87	750	.87	2000	.91	3000	.91	6000	1.13	15,000	1.16
25-WATT TYPE 2.5HJ	1	\$0.91	7.5	\$0.91	25	\$0.91	100	\$0.91	500	\$0.91	1500	\$0.92	3000	\$0.92	5000	\$0.92
	2	.91	10	.91	50	.91	200	.91	750	.91	2000	.92	3500	.92	12,500	1.21
	3	.91	15	.91	75	.91	250	.91	1000	.91	2500	.92	4000	.92	15,000	1.21
	5	.91														
50-WATT TYPE 5HJ	1	\$1.38	5	\$1.38	25	\$1.38	100	\$1.38	500	\$1.38	1000	\$1.38	2000	\$1.47	7500	\$1.52
	2	1.38	10	1.38	50	1.38	250	1.38	750	1.38	1500	1.47	2500	1.47	10,000	1.52
100-WATT TYPE 10HJ	1	\$2.18	5	\$2.18	25	\$1.98	100	\$1.98	500	\$1.98	1000	\$1.98	5000	\$2.03	20,000	\$2.38
	2	2.18	10	2.18	50	1.98	250	1.98	750	1.98	2500	2.03	10,000	2.23		
160-WATT TYPE 16HJ	1	\$3.46	25	\$3.46	50	\$3.46	100	\$3.46	250	\$3.46						
200-WATT TYPE 20HJ (FIXED)	1	\$5.10	2 5	\$5.10 5.10	25	\$4.63	50	\$4.63	250	\$4.63	1000	\$4.63	2000	\$4.42	7500	\$4.53

*Tolerance, $\pm 10\%$; all others, $\pm 5\%$. Vitreous enamel-coated, wirewound resistors. Furnished with complete hardware except HHJ, 1HJ and 2HJ which have wire leads. To Order: Use type number followed by resistance value e.g., HHJ4000.

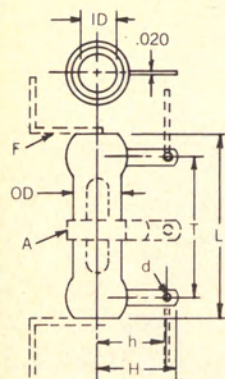
ADJUSTABLE VITREOUS TYPE AV RESISTORS

	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each	Ohms	Net Each
10-WATT TYPE 1AV	1	\$1.52	15	\$1.52	75	\$1.52	250	\$1.52	500	\$1.52	750	\$1.52	1500	\$1.59	2500	\$1.59
	5	1.52	20	1.52	100	1.52	300	1.52	600	1.52	1000	1.52	2000	1.59	4000	1.59
	10	1.52	50	1.52	150	1.52	350	1.52							10,000	1.69
25-WATT TYPE 2AV	1	\$2.03	10	\$2.03	50	\$1.77	200	\$1.77	400	\$1.77	1000	\$1.77	2000	\$1.79	4000	\$1.79
	3	2.03	15	2.03	75	1.77	250	1.77	500	1.77	1250	1.79	2500	1.79	5000	1.79
	5	2.03	25	1.77	100	1.77	300	1.77	750	1.77	1500	1.79	3000	1.79		
50-WATT TYPE 5AV	1	\$2.81	10	\$2.44	50	\$2.44	100	\$2.23	250	\$2.23	500	\$2.23	1500	\$2.28	10,000	\$2.33
	5	2.81	25	2.44	75	2.23	200	2.23	400	2.23	1000	2.23	2500	2.28	30,000	2.71
75-WATT TYPE 7.5AV	5	\$2.81	50	\$2.81	250	\$2.81	500	\$2.69	1000	\$2.69	5000	\$2.74	10,000	\$2.69	15,000	\$2.81
	25	2.81	100	2.81											40,000	\$3.01
100-WATT TYPE 10AV	1	\$3.63	5	\$3.63	25	\$3.63	100	\$3.63	300	\$3.17	1000	\$3.17	2000	\$3.10	10,000	\$3.10
	2	3.63	10	3.63	50	3.63	200	3.17	400	3.17	1500	3.10	4000	3.10	35,000	3.52
160-WATT TYPE 16AV	1	\$6.21	2	\$6.21	10	\$5.61	50	\$5.61	150	\$5.61	300	\$5.61	2500	\$5.70		
200-WATT TYPE 20AV	2	\$6.63	25	\$6.58	100	\$6.58	250	\$6.58	400	\$6.58	750	\$6.58	2000	\$6.53	25,000	\$6.01
	10	6.58	50	6.58	150	6.58	300	6.58	500	6.58	1000	6.58			30,000	\$6.01

Tolerance $\pm 10\%$; supplied with feet and one strap

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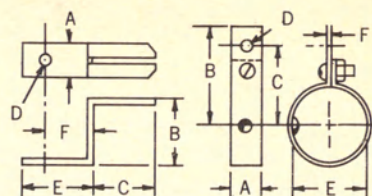
Power Resistors



HJ AND AV RESISTOR DIMENSIONS

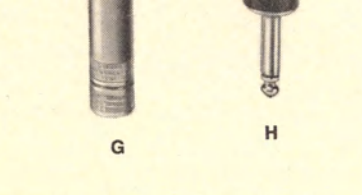
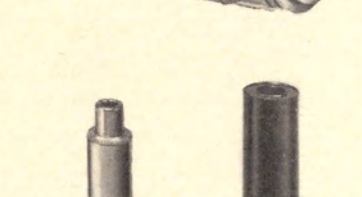
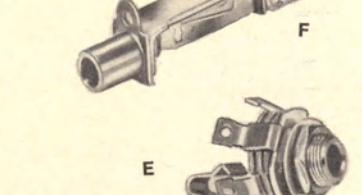
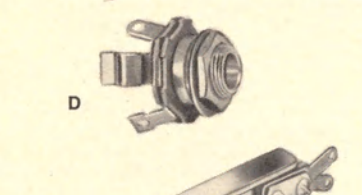
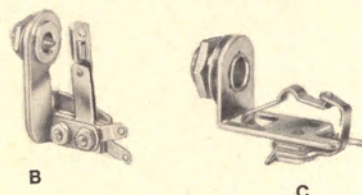
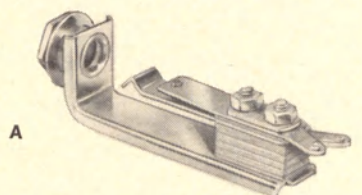
Mallory Type	Watts	Dimensions, Inches								Hardware	
		O.D.	I.D.	L	T	H	h	d	F	A	
HHJ		$\frac{5}{16}$	$\frac{13}{64}$	1	$\frac{25}{32}$	$\frac{1}{2}$	$\frac{3}{16}$	+	30V+	....	
1HJ	12	$\frac{5}{16}$	$\frac{13}{64}$	$1\frac{3}{4}$	$1\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{16}$	+	30V+	....	
1AV*	10	$\frac{5}{16}$	$\frac{13}{64}$	$1\frac{3}{4}$	$1\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{16}$	.144	30V	1V	
2HJ	20	$\frac{7}{16}$	$\frac{5}{16}$	2	$1\frac{5}{8}$	$\frac{5}{8}$	$\frac{17}{32}$	+	31V+	....	
2AV*	20	$\frac{7}{16}$	$\frac{5}{16}$	2	$1\frac{5}{8}$	$\frac{5}{8}$	$\frac{17}{32}$	.144	31V	3V	
2.5HJ	25	$\frac{7}{16}$	$\frac{5}{16}$	2	$1\frac{1}{2}$	$\frac{27}{32}$	$\frac{23}{32}$	.144	31V	....	
5HJ	50	$\frac{7}{16}$	$\frac{5}{16}$	4	$3\frac{1}{2}$	$\frac{27}{32}$	$\frac{23}{32}$	.144	31V	....	
5AV*	50	$\frac{7}{16}$	$\frac{5}{16}$	4	$3\frac{1}{2}$	$\frac{27}{32}$	$\frac{23}{32}$	.144	31V	3V	
7.5HJ	75	$\frac{7}{16}$	$\frac{5}{16}$	6	$5\frac{1}{2}$	$\frac{27}{32}$	$\frac{23}{32}$	.144	31V	....	
7.5AV*	75	$\frac{7}{16}$	$\frac{5}{16}$	6	$5\frac{1}{2}$	$\frac{27}{32}$	$\frac{23}{32}$	.144	31V	3V	
10HJ	100	$\frac{3}{4}$	$\frac{1}{2}$	$6\frac{1}{2}$	6	$\frac{15}{16}$	$\frac{13}{16}$	.144	33V	....	
10AV*	100	$\frac{3}{4}$	$\frac{1}{2}$	$6\frac{1}{2}$	6	$\frac{15}{16}$	$\frac{13}{16}$	.144	33V	4V	
16HJ	160	$1\frac{1}{8}$	$\frac{47}{64}$	$8\frac{1}{2}$	8	$1\frac{1}{8}$	1	.144	35V	....	
16AV*	160	$1\frac{1}{8}$	$\frac{47}{64}$	$8\frac{1}{2}$	8	$1\frac{1}{8}$	1	.144	35V	6V	
20HJ	200	$1\frac{1}{8}$	$\frac{7}{8}$	$10\frac{1}{2}$	10	$1\frac{1}{8}$	1	.144	32V	....	
20AV*	200	$1\frac{1}{8}$	$\frac{7}{8}$	$10\frac{1}{2}$	10	$1\frac{1}{8}$	1	.144	32V	6V	

* Adjustable types; all others fixed. +Has wire leads $2\frac{1}{4}$ " long x .040" dia.
 ‡ Mounting feet not furnished.



Mallory No.	Dimensions, Inches					
	A	B	C	D	E	F
1V	$\frac{5}{32}$	$\frac{3}{16}$	$\frac{7}{16}$	.096	$\frac{5}{16}$	.020
3V	$\frac{1}{4}$	$\frac{7}{8}$	$\frac{3}{4}$	.166	$\frac{3}{4}$	.032
4V	$\frac{1}{4}$	$\frac{31}{32}$	$\frac{27}{32}$	.166	$\frac{3}{4}$	.032
6V	$\frac{3}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	.173	$1\frac{1}{8}$	.032
30V	$\frac{5}{16}$	$\frac{5}{8}$	$\frac{3}{4}$	.142	$\frac{7}{16}$	$\frac{3}{32}$
31V	$\frac{27}{64}$	$\frac{3}{4}$	$\frac{15}{16}$	.203	$\frac{1}{2}$	$\frac{1}{4}$
32V	$\frac{7}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	.265	$1\frac{1}{16}$	$\frac{3}{8}$
33V	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{15}{16}$	.203	$\frac{1}{2}$	$\frac{1}{4}$
35V	$\frac{3}{4}$	$1\frac{1}{4}$	$1\frac{1}{2}$	.265	$1\frac{1}{16}$	$\frac{3}{8}$

Jacks and Plugs



PHONE JACKS

Four configurations meet a wide range of applications. Circuit arrangements shown in chart. Supplied with nut and washer. Bushing $\frac{3}{8}$ "-32 x $\frac{3}{8}$ ". Nickel-plated alloy springs, silver contacts. cadmium-plated frames. For $\frac{1}{4}$ " plugs.

Long Fr. (Fig. A)		Junior (Fig. B)		Infant and Midget (Fig. C)		Schem.
Mal. No.	Net Ea.	Mal. No.	Net Ea.	Mal. No.	Net Ea.	
701	\$0.93					
702	1.04	A-2	\$0.99			
2A	\$1.17					
702B	1.02					
703	1.23					
703B	1.23					
704B	1.41					
5	1.83					

• MINIATURE COMPACT JACKS AND PLUGS

For use with audio or low level signals. All are 2-way, 2 conductor. Plugs have phenolic handles. Supplied with nut and washer.

Mallory No.	Type	Diameter MM	Inches	Circuit	Net Each
KLS1	Plug	2.5	.100	2-way	\$0.70
KLB1	Jack	2.5	.100		.80
KLK1	Ext. Jack	2.5	.100		1.86
KLS2	Plug	3.5	.140	2-way	.70
KLB2	Jack	3.5	.140		.80
KLK2	Ext. Jack	3.5	.140		1.86

COMPACT JACKS (FIGS. D AND E)

JJ033 and JJ034 meet all requirements of JAN-J-641.

Mallory Number	No. Cond.	Circuit Type	Net Each
JJ034	2	Open	\$0.79
SC2B	3	Open	2.97
SCA2B*	3	Open	.85
JJ033	3	Open	.99

* .210 I.D. bushing. All others .250.

TELEPHONE JACKS (FIG. F)

For close strip mounting in switchboards; plain round bushing. Mounts by screw through mounting plate.

Mallory No. XP2B—Three circuit microphone type. Net Each\$1.54

.250" DIA. PHONE PLUGS (FIG. H)

Mallory No.	Circuit	Shell	Net Each
55	.....	Adapts mike con. to stand jack	\$0.61
75A	2-way	Nickel, 2 piece tie-cord anchor, built-in cable clip. $2\frac{3}{4}$ " L.	2.97
75N	2-way	Nickel, tie-cord anchor, shielded $2\frac{3}{4}$ " L.	1.35
76A	3-way	Nickel, 2-piece built-in cable cable clip. $2\frac{3}{4}$ " L.	2.40

Mallory switches are available in three types: Rotary, lever-action and pushbutton. Most styles are supplied in shorting and non-shorting contacts. Shorting switches have contacts with "make" before "break". Contacts in non-shorting switches are "break" before "make". These switches may be chosen with phenolic, ceramic or glass-epoxy wafer materials. Switches are supplied with normal mounting hardware. Knobs not included. Dial plates not included.

SLIDE SWITCH — Modern design, for use in small AC appliances, radios, record players, and TV sets. Single pole, single throw action rated at 5 amps., 125 VAC U.L. approved flame retardant material used throughout.

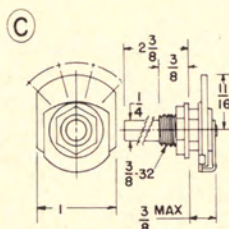
Catalog No. 560001 — Net Each\$1.50

SP1 SPECIAL SWITCH

Original replacement SPST push-push switch used on the rear of controls in Curtis Mathes and other television sets. Net Each\$0.96

PHENOLIC WAFER ROTARY SWITCHES

Mallory phenolic wafer rotary switches come in several sizes and contact arrangements. Supplied with nut, washer and 366-1 black knob. Phenolic is MIL grade Richardson T725.



MINIATURE SPECIAL PURPOSE (FIG. C)

For tone control, radio-phono use, etc. Suffi indicates: S, spring return; K, knurled shaft (no knob supplied).

Mallory Number		Index	Poles per Section	No. of Sections	Max. Positions	Each
Shorting	Non-Shorting					
5M1112	.....	30°	1	1	2	\$1.98
5M1113	.....	30°	1	1	3	1.90
.....	5M2213	30°	2	1	3	2.21
.....	4M2412S	30°	4	1	2	4.37

DECADE SWITCH (FIG. A)

Use four capacitors for full decade. Type 153L for capacitors. Connect in series for multiple decades. Complete with instructions. Use Mallory Catalog No. 380 Dial Plate.

.....	153L	30°	Spec.	1	10*	\$4.73
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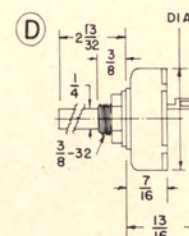
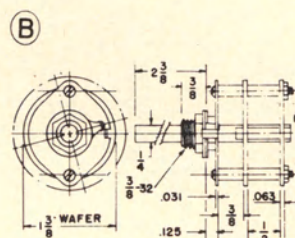
* Has off position.

MINIATURE 1 3/8" DIAMETER (FIG. B)

Rated 350 mA at 500 VAC rms resistive. Breakdown 1700 VAC rms, 60 Hz. Contact resistance 0.005 ohm. Supplied with adjustable stop and hex nut.

Mallory Number		Index	Poles per Section	No. of Sections	Max. Positions	Each
Shorting	Non-Shorting					
4M11111	4M21111	30°	1	1	11	\$3.67
4M1215	4M2215	30°	2	1	5	3.71
.....	4M2313	30°	3	1	3	3.30
.....	4M2412	30°	4	1	2	3.89
4M11211	4M21211	30°	1	2	11	5.12
.....	4M2225	30°	2	2	5	5.66
.....	4M2323	30°	3	2	3	5.22
.....	4M21311	30°	1	3	11	7.04
.....	4M21411	30°	1	4	11	9.64
.....	4M2245	30°	2	4	5	9.40
.....	4M21511	30°	1	5	11	10.40

* Plus "off" position.



GENERAL PURPOSE ROTARY SWITCHES (FIG. D)

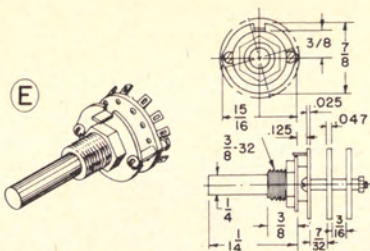
Single section with formed cup enclosing contacts. Rated 0.2 amp at 300 VDC; 5 amps, 6 VDC; 0.25 amp. 300 VAC; 6 amps, 6 VAC. Maximum non-breaking resistive load, 5 amps. Breakdown 500 VAC/DC, Contact resistance 0.01 ohm or less.

Mallory Number		Index	No. of Poles	Max. Positions	Base Dia., In.	Net Each
Shorting	Non-Shorting					
3115J	3215J	30°	1	5	1 1/4	\$1.88
31112J	32112J	30°	1	12	1 1/4	1.88
3122J	3222J	30°	2	2	1 1/4	1.88
3123J	3223J	30°	2	3	1 1/4	1.88
3126J	3226J	30°	2	6	1 1/4	1.88
3134J	3234J	30°	3	4	1 1/4	1.94
3142J	3242J	30°	4	2	1 1/4	1.94
3143J	3243J	30°	4	3	1 1/4	1.94
31117J	32117J	20°	1	17*	1 1/16	2.87
3129J	3229J	20°	2	9*	1 1/16	2.87
3136J	3236J	20°	3	6*	1 1/16	3.02
3163J	3263J	20°	6	3*	1 1/16	3.02

* Furnished with adjustable stop.

CONTINUED →

Switches



GLASS-EPOXY WAFER ROTARY SWITCHES (FIG. E)

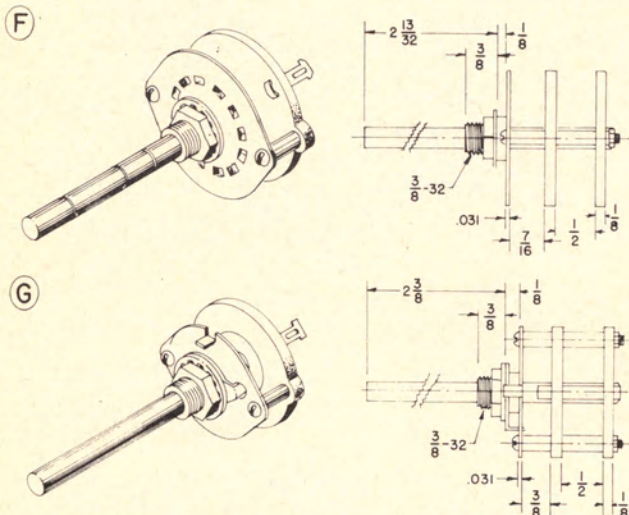
Subminiature size employs wafers $\frac{7}{8}$ " dia. Glass-epoxy per MIL-P-18177. Rated 150 mA at 150 V rms. Max. voltage, 225 V rms. Max. current, 2.5 amps at 6 VAC rms. (All specifications at resistive load.) Supplied with nut and washer.

CERAMIC WAFER ROTARY SWITCHES

Mallory ceramic wafer switches are available in two wafer sizes and a variety of circuits. Generally used where high voltages are encountered or in RF circuitry. Ceramic is MIL grade Steatite with Dow-Corning 200 treatment. Switches supplied with hex nut.

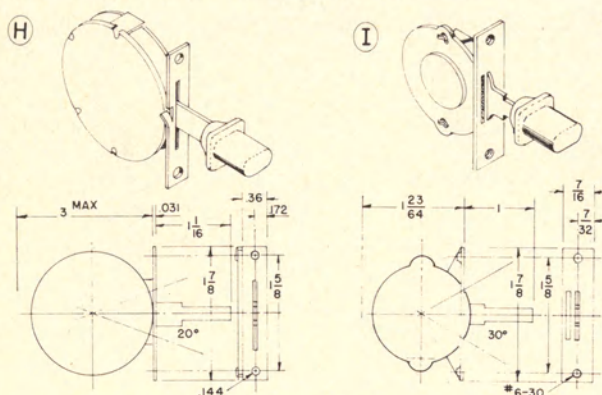
STANDARD 1 3/4" DIAMETER (FIG. F)

Rated 0.75 amp at 300 VAC; 10 amps. 6 VAC/DC. Breakdown, 1000 VAC/DC rms. Max. non-breaking resistive load, 5 amps.



LEVER ACTION SWITCHES

Mallory lever action switches utilize MIL grade phenolic or glass-epoxy for wafer materials. Three wafer sizes available with a variety of circuits and actions. Supplied with mounting screws and knob.



Mallory Number Non-Shorting	Index	Poles per Section	No. of Sections	Max. Posi- tions	Net Each
12M21111G	30°	1	1	11	\$5.66
12M21211G	30°	1	2	11	8.89

STANDARD 1 $\frac{3}{4}$ " DIAMETER (FIG. F)

Mallory Number Non-Shorting	Index	Poles per Section	No. of Sections	Max. Posi- tions	Net Each
172C	30°	1	1	10	\$4.17
173C	30°	2	1	5*	4.17
174C	30°	3	1	3*	4.17
176C	30°	1	2	10	5.96
177C	30°	2	2	5*	5.96
178C	30°	3	2	3*	5.96
181C	30°	2	3	5*	7.59
162C	90°	1	2	4	5.37

* Plus "off" position.

MINIATURE 1 3/8" DIAMETER (FIG. G)

Rated 350 mA at 500 VAC rms resistive. Breakdown, 1700 VAC rms, 60 cps. Contact resistance, 0.005 ohm. Adjustable stop.

Mallory Number		Index	Poles per Section	No. of Sections	Max. Positions	Net Each
Shorting	Non-Shorting					
4M11112C	4M21112C	30°	1	1	12	\$5.01
.....	4M2216C	30°	2	1	6	5.18
.....	4M2513C	30°	5	1	3	5.98
.....	4M21212C	30°	1	2	12	8.88
.....	4M2226C	30°	2	2	6	8.92
.....	4M21312C	30°	1	3	12	11.91
.....	4M2114N	90°	1	1	4	4.73

**STANDARD 1 $\frac{3}{4}$ " DIA. PHENOLIC
(FIG. H 6000 SERIES)**

Rated 0.2 amp at 300 VDC; 5 amps, 6 VDC; 0.25 amp, 300 VAC; 6 amps, 6 VAC, Positive action. Breakdown, 500 VAC/DC rms. Max. non-breaking resistive load. 5 amps.

Mallory Number		Index	Number of Poles	Number of Positions	Net Each
Shorting	Non-Shorting				
5124	5224	20°	2	4	\$2.43
6142	6242	20°	4	2	2.13
6143	6243	20°	4	3	2.13

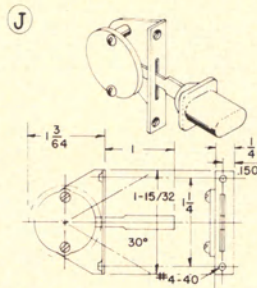
MINIATURE 1 3/8" DIA. PHENOLIC (FIG. 1)

Rated 350 mA at 500 VAC rms resistive. Breakdown, 1700 VAC rms, 60 cps. Suffix indicates action (e.g., 6M1213S): S, spring return to center; U, spring return to one side, positive opposite; no suffix; positive action.

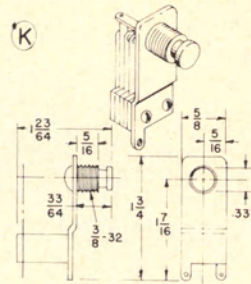
6M1213	6M2213	30°	2	3	\$2.62
.....	6M2213S	30°	2	3	3.06
6M1213U	.....	30°	2	3	3.34
.....	6M2412	30°	4	2	3.10
.....	6M2412S	30°	4	2	3.81

SUBMINIATURE 7/8" DIA. GLASS-EPOXY (FIG. J)

Glass epoxy wafers per MIL-P-18177. Rated 150 mA at 150 VAC rms, resistive. Max. voltage, 225 V rms. Max. current, 2.5 amps at 6 VAC rms, resistive. Suffix indicates action (e.g., 12L1213S): S, spring return to center; no suffix, positive action.



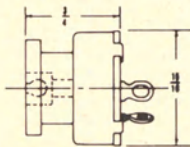
Mallory Number		Index	Number of Poles	Number of Positions	Net Each
Shorting	Non-Shorting				
.....	12L2213S	30°	2	3	\$4.85
	12L2413	30°	4	3	5.70
12L1612S	.....	30°	6	2	7.21



PUSHBUTTON SWITCHES (FIG. K)

Non-locking for test panels, etc. Silver contacts on alloy springs. Rated 0.4 amp at 300 VDC and 220 VAC; 4 amps, 6 VDC. Bushing 3/8"-32 x 3/8" lg. Integral phenolic knob. With nut and washer.

Mallory No.	Circuit Arrangement	Net Each
1011	SPST—Make	\$1.07
1012	SPST—Break	1.07
1013	SPDT	1.18
1016	DPDT	1.62
1018	DPDT—Make before break	2.20



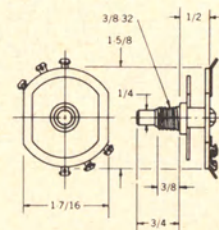
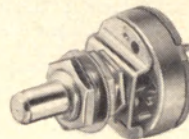
MODEL KR8M AND MODEL KR9M PUSH-PULL REPLACEMENT AC SWITCHES

Excellent replacement for push-pull AC switch sections of original equipment, single and dual controls. Rated 6 amps, 125 volts; sufficient for color set operations. Special "O" ring construction assures long life. Easy to replace, often without removing control from set. KR9M designed for higher surge current application of newer TV sets. Same basic appearance as KR8M. Switches not interchangeable.

KR8M—L dimension above 3/4"—
Net Each\$1.13

KR9M—L dimension above 5/8"—
Net Each 1.21

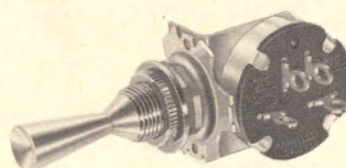
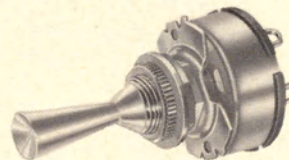
Both supplied with U.L. approved flame proof backs.



ROTARY AC SWITCHES

Heavy-duty AC line switch with integral 3/8"-32 x 3/8" bushing and 1/4" dia. shaft. For use in equipment carrying up to 6 amps. (SPST) or 3 amps (SPDT) and (DPST). Switch action is 26°. U/L Recognized. Furnished with hex nuts, washer and 366-1 knob.

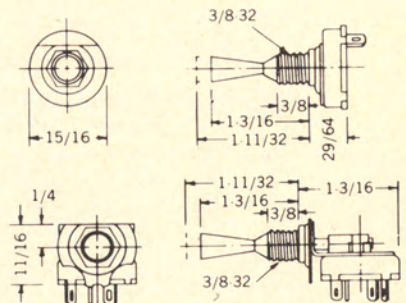
Mallory No. RAC10 (SPST)—Net\$1.51
Mallory No. RAC12 (DPST)—Net 2.00
Mallory No. RAC14 (SPDT)—Net 2.00



STEREO SPEAKER SWITCH

The RSA1213 stereo speaker switch is designed to allow stereo speakers to be switched from "Main" to "Remote" or "Both." Furnished with heavy-duty silver contact for long trouble-free operation. Supplied with gold-color dial, knob, washer, nut and complete inst.

Mallory No. RSA1213—Net Each\$1.63



PUSH-PULL AC SWITCHES

Attractive push-pull AC line switches are furnished with integral aluminum alloy handle to compliment the finest electronic equipment. Heavy duty, U/L Approved. PPS1, PPS2 rated 6 amps at 125 VAC. PPS3 rated 3 amps 125 VAC. Furnished with a nickel-plated knurled ring nut.

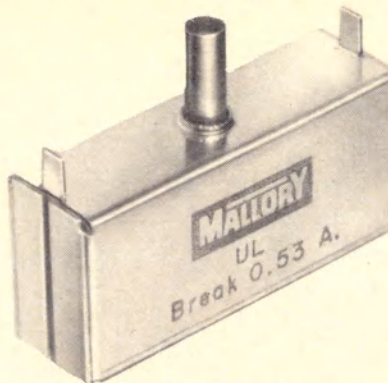
Mallory No. PPS1 (SPST)—Net\$1.69
Mallory No. PPS2 (DPST)—Net 2.21
Mallory No. PPS3 (SPDT)—Net 2.21

PUSH-PULL AC SWITCH DIMENSIONS

Circuit Breakers

CIRCUIT BREAKERS

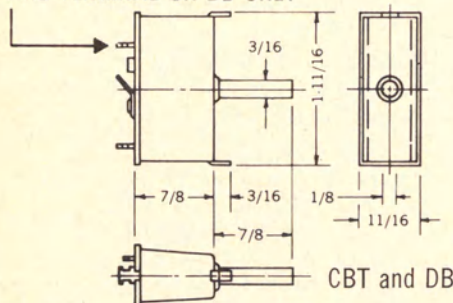
Exact replacement circuit breakers for television and industrial applications. These circuit breakers are manufactured to the same specifications as original equipment. "Anti-cheat" reset action is non-cycling. Button must be pressed to reset. Tripping mechanism is temperature compensating for constant protection. Normal tripping time is ten seconds or less. All values above 3.1 amps have special heavy-duty contacts to withstand heavy surge currents. CBT types have twist tab mounting lugs. CBT type may be converted to bushing mount by ordering CBB $\frac{3}{8}$ "-32 x $\frac{1}{4}$ " adapter bushing listed below. Ask for free television circuit breaker cross-reference. Lists all popular TV sets.



Mallory Number Tab Mtg.	Break Curr. Amps	Hold Curr. Amps	Surge Curr. Amps
CBT050†	0.5	0.325	2
CBT075†	0.75	0.49	3
CBT100†	1.0	0.65	5
CBT150	1.5	0.975	12
CBT175	1.75	1.14	20
CBT200	2.0	1.3	20
CBT225	2.25	1.46	20
CBT250	2.5	1.63	25
CBT275	2.75	1.79	25
CBT300	3.0	1.95	25
CBT310	3.1	2.1	25
CBT325	3.25	2.11	25
CBT350	3.5	2.2	25
CBT375	3.75	2.44	25
CBT400	4.0	2.6	25
CBT450	4.5	2.92	25
CBT500	5.0	3.25	25
CBT600	6.0	3.9	25
CBT700	7.0	4.14	25

† Supplied with dummy terminal.

THIS TERMINAL ON DB ONLY



DUAL CIRCUIT BREAKERS

For use in color TV; supplies protection for B+ circuits and horizontal output circuit. Excessive current in either circuit will open the circuit breaker, thus removing all B+ voltage from set. Positive dependable, exact duplicate of RCA and many others.

Mallory Number	Current, Amps				Net Each
	B+	Section	Horiz.	Hold	
DB130T038	1.6	1.3	0.6	0.375	\$1.70
DB900T325	1.2	.9	.48	.325	1.70
DB950T400	1.35	.95	.59	.4	1.70
DB125T600	1.75	1.25	.8	.6	1.70
DB175T400	2.5	1.75	.59	.4	1.70

U/L APPROVED HIGH SURGE CIRCUIT BREAKERS

Mallory Number	Break Curr.	Hold Curr.	Surge Amps	Price Each
HSB400	4.0	2.5	50	\$1.29
HSB500	5.0	3.0	50	1.29

U/L APPROVED CIRCUIT BREAKERS

Mallory Number	Break Amps	Hold Amps	Surge Amps	Price Each
UL0525	.525	.300	2	\$1.09
UL0875	.875	.500	3	1.09
UL105	1.05	.600	5	1.09
UL175	1.75	1.00	20	1.09
UL219	2.19	1.25	20	1.09
UL263	2.63	1.50	35	1.09
UL306	3.06	1.75	35	1.09
UL350	3.50	2.00	35	1.09
UL394	3.94	2.25	35	1.09
UL438	4.38	2.50	35	1.09
UL525	5.25	3.00	35	1.09
UL613	6.13	3.50	35	1.09

NET PRICES, EACH

CBT050 to CBT300—Net Each\$0.97

CBT310 to CBT700—Net Each 1.05

Mallory No. CBB Adapter Bushing — Adapts CBT types to bushing mounting. Bushing: $\frac{3}{8}$ "-32 x $\frac{1}{4}$ " with nut. Net 19¢

U/L CIRCUIT BREAKER KIT

Mallory No.	Contents	Net Each
ULB2	(4) UL350 (4) UL438 (4) UL613	\$13.08

Vibrators

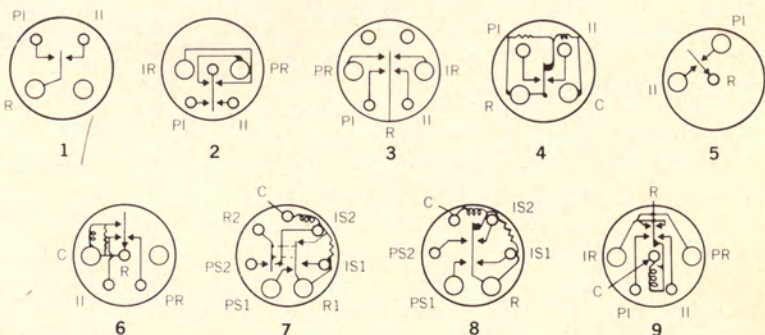
Mallory vibrators are manufactured to exceptionally close tolerances and of carefully selected materials. Perfect balance and precise operation is thus assured. Crude rubber insulation and heavy-duty drawn cans effectively dampen vibration and sound. Each Mallory vibrator is factory tested for output, starting voltage and waveform. Complete specifications are shown below.

COMPLETE VIBRATOR SPECIFICATIONS

Mallory No.	Volts	Type	Base Diag.	Can Type	Size, Inches Dia. x Lgth.	Net Each
1501†	6	Int.	4	A	1 1/2 x 2 7/8	\$5.70
G1501†	12	Int.	4	A	1 1/2 x 2 7/8	6.17
1513†	6/12	Int.	6	A	1 1/2 x 2 7/8	6.17
G1532†	12	Int.	1	A	1 1/2 x 2 7/8	6.17
1601	6	Int.	1	A	1 1/2 x 2 7/8	4.21
G1601	12	Int.	1	A	1 1/2 x 2 7/8	4.21
G1602	12	Int.	5	B	1 1/2 x 2 7/8	4.21
1701A†	6/12	Int.	7	A	1 1/2 x 3	8.51
1751†	6	Int.	8	A	1 1/2 x 3	6.50
G1801†	12	Syn.	2	A	1 1/2 x 2 7/8	6.13
1806	6	Syn.	9	A	1 1/2 x 2 7/8	6.91
1807†	6	Syn.	3	A	1 1/2 x 2 7/8	6.91

Int. = Interrupter.

Syn. = Synchronous. †For mobile communications and heavy duty uses.



BASE DIAGRAMS: C = Coil; II = Inertia Interrupter; IR = Inertia Rectifier; IS = Inertia Spring; PI = Pull Interrupter; PR = Pull Rectifier; PS = Pull Spring; R = Reed.

MALLORY SEMICONDUCTOR PRODUCTS

Mallory offers an expanded line of replacement and industrial semiconductors for the technician/serviceman, hobbyist, experimenter and engineer. Included are transistors, diodes, multi-diode packages, zener diodes, high voltage multipliers, color burst crystals, I.C.'s. The devices are designed for maximum versatility and flexibility so that they can serve in a

variety of consumer and industrial applications compatible with today's need.

See Mallory Price Sheet, 9-717, and Mallory Semiconductor Product Guide, form 9-710, for full specifications on all devices and complete up-to-date, cross reference information on PTC replacement semiconductors.

The Mallory Semiconductor Products listed on the following pages are arranged in order not by part number but by pertinent parameters. The Semiconductors are arranged in major groups by classifications as follows:

- I) Line Index to Semiconductor Devices
- II) Silicon Transistors (Bipolar Replacement Types)

- III) Germanium Transistors (Bipolar Replacement Types)
- IV) Field Effect Transistors
- V) RF Power Transistors
- VI) Semiconductor Hardware and Hardware Kits
- VII) General Purpose Diodes and Rectifiers
- VIII) 1 Watt Zener Diodes
- IX) Half Watt Zener Diodes

- X) Silicon Varistor Diodes
- XI) Silicon Controlled Rectifiers
- XII) Special Purpose Television Devices
- XIII) Dual Diodes and Full Wave Bridges
- XIV) Linear Integrated Circuits
- XV) Popular Silicon Rectifiers
- XVI) Industrial and Exact Replacement Diodes

I) LINE INDEX TO SEMICONDUCTOR DEVICES

Catalog Number	Line Number	Catalog Number	Line Number	Catalog Number	Line Number	Catalog Number	Line Number	Catalog Number	Line Number	Catalog Number	Line Number
A50	276	• PTC145	92	PTC207	123	PTC703	240	• PTC1667	82	ZB130A/B	182
A400	277	• PTC146	68	• PTC207M	124	PTC705	261	• PTC1689	83	ZB150A/B	183
A600	278	• PTC147	102	PTC208	138	PTC707	262	• PTC1723	78	ZB160A/B	184
A1000	279	• PTC148	35, 51	PTC209	135	PTC708	263	• PTC1745	79	ZB180A/B	185
M2.5A	275	• PTC149	46, 71	PTC210	139	PTC709	249	• PTC1778	86	ZB200A/B	186
PTC101	2, 12	• PTC150	65	PTC211	140	PTC711	250	S5A05	290	• ZM3.3	189
PTC102	88, 89	PTC151	106	PTC212	141	PTC713	251	S5A2	291	• ZM3.6	190
PTC103	1, 11	PTC152	107	PTC213	142	PTC715	264	S5A6	293	• ZM3.9	191
PTC104	63	PTC153	76	PTC214	125	PTC717	230	S5A10	294	• ZM4.3	192
PTC105	101	• PTC154	54, 74	• PTC214M	126	PTC719	255	SI05A	295	• ZM4.7	193
PTC106	104	• PTC155	97	PTC215 (See PTC214M)		PTC721	252	SI2A	296	• ZM5.1	194
PTC107	91	• PTC156	96	PTC216	136	PTC723	241	SI4A	297	• ZM5.6	195
PTC108	90	• PTC157	38, 52	PTC217	134	PTC726	256	SI6A	298	• ZM6	196
PTC109	87, 93	• PTC158	118	PTC218	137	PTC728	265	SI10A	299	• ZM6.2	197
PTC110	36	• PTC160	41, 75	• PTC301	187	PTC729	253	SI12A	300	• ZM6.8	198
				• PTC302	188						
PTC111	37	• PTC161	108	PTC401	132	PTC730	266	ZB3.6A/B	148	• ZM7.5	199
PTC112	33	• PTC162	39, 59	PTC402	133	PTC731	267	ZB5.6A/B	149	• ZM8.2	200
PTC113	34	• PTC163	40, 60	PTC403	143	PTC732	231	ZB6.2A/B	150	• ZM8.7	201
PTC114	100	• PTC164	61	PTC404	144	PTC733	268	ZB6.8A/B	151	• ZM9.1	202
PTC115	14	• PTC165	62			PTC734	242	ZB7.5A/B	152	• ZM10	203
PTC116	45	• PTC166	55	PTC405	145	PTC735	254	ZB8.2A/B	153	• ZM11	204
PTC117	66	• PTC167	56	PTC406	147	PTC736	243	ZB9.1A/B	154	• ZM12	205
PTC118	70	• PTC168	57	PTC407	146	PTC737	244	ZB10A/B	155	• ZM13	206
PTC119	43	• PTC169	58	PTC501	148	PTC738	232	ZB11A/B	156	• ZM14	207
PTC120	103	• PTC172	47	PTC502	149	PTC739	269	ZB12A/B	157	• ZM15	208
PTC121	9	• PTC173	48	PTC503	150	PTC740	233	ZB13A/B	158	• ZM16	209
PTC122	105	• PTC174	49, 72	PTC504	152	PTC741	270	ZB15A/B	159	• ZM17	210
PTC123	6, 18	• PTC175	50, 73	PTC505	154	PTC742	234	ZB16A/B	160	• ZM18	211
PTC124	64	• PTC176	119	PTC506	155	PTC743	245	ZB18A/B	161	• ZM19	212
PTC125	5, 17	• PTC177	26	PTC507	157	PTC744	246	ZB20A/B	162	• ZM20	213
PTC126	4, 20	• PTC178	27	PTC508	158	PTC745	257	ZB22A/B	163	• ZM22	214
PTC127	7, 21	• PTC179	113	PTC509	159	PTC746	258	ZB24A/B	164	• ZM24	215
• PTC129A	69	• PTC180	114	PTC510	161	PTC747	259	ZB27A/B	165	• ZM25	216
PTC130	67	• PTC181	110	PTC511	165	• PTC754	271	ZB30A/B	166	• ZM27	217
		• PTC182	111	PTC512	167	• PTC756	247	ZB33A/B	167	• ZM28	218
PTC131	13	• PTC183	109	PTC513	173	• PTC757	235	ZB36A/B	168	• ZM30	219
PTC132	15	• PTC184	112	PTC514	174	• PTC758	272	ZB39A/B	169	• ZM33	220
PTC133	16	• PTC186	117	PTC515	177	• PTC762	236	ZB43A/B	170	1N2069A	287
PTC134	94	• PTC191	115	PTC516	180	• PTC765	237	ZB47A/B	171	1N2070A	288
PTC135	95	• PTC192	116	PTC517	169	• PTC767	248	ZB51A/B	172	1N2071A	289
PTC136	8, 19	• PTC193	28, 42	PTC518	171	• PTC769	273	ZB56A/B	173	1N4001	280
		• PTC194	99	PTC601	224	• PTC776	274	ZB62A/B	174	1N4002	281
PTC138	98	PTC201	127	PTC602	225	• PTC780	238	ZB68A/B	175	1N4003	282
PTC139	3, 10	PTC202	128	PTC603	226	• PTC781	260	ZB75A/B	176	1N4004	283
PTC140	44	PTC203	129	PTC604	227	• PTC1101	81	ZB82A/B	177	1N4005	284
PTC141	25, 32	PTC204	131	PTC605	228	• PTC1123	80	ZB91A/B	178	1N4006	285
PTC142	23, 30	PTC205	130	PTC606	229	• PTC1423	77	ZB100A/B	179	1N4007	286
PTC143	24, 31	PTC206	121	• PTC651	223	• PTC1623	84	ZB110A/B	180		
PTC144	22, 29	• PTC206M	122	PTC701	239	• PTC1645	85	ZB120A/B	181		

CONTINUED →

II) SILICON TRANSISTORS Bipolar Replacement Types

Line	Catalog Number	Type (Polarity)	Description	Case Category	Case Diagram	Terminal Diagram	Typical	Absolute Maximum Ratings					Minimum	Net Each
							h_{FE}	P_D (mW)	I_C (mA)	V_{CE} (V)	V_{BE} (V)	f_T (MHz)		
A)	SMALL SIGNAL AF AMPLIFIERS & PREAMPLIFIERS			In Order By: 1) Case Category, 2) h_{FE}										
1	PTC103	PNP	AF, IF, RF Amp/Oscillator	A	T092	5	140	500	600	70	70	5.5	300	\$0.74
2	PTC101	NPN	AF, IF, RF Amp/Oscillator	A	T0105	9	150	500	100	70	35	7.0	400	.59
3	PTC139	NPN	High Gain Preamplifier	A	T092	5	700	315	100	33	30	7.0	200	.74
4	PTC126	NPN	AF & AGC Amplifier	B	T072	3	80	315	25	25	25	3.5	800	1.01
5	PTC125	NPN	AF Amp	B	T05	2	180	800	500	160	90	8.0	60	1.07
6	PTC123	NPN	AF, IF Amp	B	T05	2	200	500	600	100	55	7.0	100	2.89
7	PTC127	PNP	AF Amp/Driver	B	T05	2	230	800	500	90	90	5.5	300	1.52
8	PTC136	NPN	AF, IF, RF Amp/Oscillator	B	T018	2	250	500	800	60	44	7.0	550	.82

							Minimum		Absolute Maximum Ratings					Typical		
Line	Catalog Number	Polarity (Type)	Description	Case Category	Case Diagram	Terminal Diagram	f _T (MHz)	P _D (mW)	I _C (mA)	V _{CEB} (V)	V _{CE} (V)	V _{EB} (V)	h _{FE}	Net Each		
B) SMALL SIGNAL RF & IF AMPLIFIERS AND OSCILLATORS																
In Order By: 1) Case Category, 2) f _T																
9	PTC121	NPN	AF, IF, RF Amp/Oscillator	A	T092	5	100	500	100	70	50	5.0	200	\$0.69		
10	PTC139	NPN	High Gain IF Amp	A	T092	5	200	315	100	33	30	7.0	700	.74		
11	PTC103	PNP	AF, IF, RF Amp/Oscillator	A	T092	5	300	500	600	70	70	5.5	140	.74		
12	PTC101	NPN	AF, IF, RF Amp/Oscillator	A	T0105	9	400	500	100	70	35	7.0	150	.59		
13	PTC131	PNP	AM-FM Oscillator/Mix/IF/RF	A	T0106	9	600	255	200	40	25	1.2	50	.77		
14	PTC115	NPN	VHF-UHF Amp/Oscillator/Mix	A	T092	5	800	255	500	40	20	3.5	50	1.26		
15	PTC132	NPN	VHF-UHF Amp/Oscillator/Mix	A	T092	21	1000	185	50	50	50	5.0	100	1.04		
16	PTC133	NPN	UHF Oscillator/Mix/Amp	A	T092	24	1500	315	180	50	50	5.0	180	.92		
17	PTC125	NPN	AF, IF Amp/Oscillator	B	T05	2	60	800	500	160	90	8.0	180	1.07		
18	PTC123	NPN	AF, IF Amp/Oscillator	B	T05	2	100	500	600	100	55	7.0	200	2.89		
19	PTC136	NPN	AF, IF, RF, Amp/Oscillator	B	T018	2	550	500	800	60	44	7.0	250	.82		
20	PTC126	NPN	AF, IF, RF(AGC) Amp	B	T072	3	800	315	25	25	25	3.5	80	1.01		

Line	Catalog Number	Type (Polarity)	Description	Case Category	Case Diagram	Terminal Diagram	Absolute Maximum Ratings				Minimum f _T (MHz)	Typical h _{FE}	Net Each	
							P _D (W)	I _C (A)	V _{CEB} (V)	V _{CE} (V)				
C) LOW POWER AF AMP/AF DRIVER/AF OUTPUT							In Order By: 1) Case Category, 2) P _D , 3) Catalog Number							
21	PTC127	PNP	AF Amp/Driver	B	T05	2	800m	500m	90	90	5.5	300	230	\$1.52
22	PTC144	NPN	AF Driver/Output	B	T05	2	5.0	1.0	130	100	8.0	150	100	1.01
23	PTC142	PNP	AF Driver/Output	B	T05	2	6.0	3.0	65	45	8.0	200	80	1.26
24	PTC143	NPN	AF Driver/Output	B	T05	2	6.0	3.0	65	45	8.0	200	80	1.07
25	PTC141	PNP	AF Driver/Output	B	T05	2	7.0	1.0	105	100	8.0	120	100	1.49
26	•PTC177	PNP	AF Driver/Output	K	X28	22	1.0	1.0	70	60	5.0	200	160	.92
27	•PTC178	NPN	AF Driver/Output	K	X28	22	1.0	1.0	70	60	5.0	200	160	.86
28	•PTC193	NPN	AF Output/Modulator for CB Radio, etc.	M	T0202	26	7.0	1.5	50	40	5.0	70	150	4.27

D	MEDIUM POWER AF OUTPUTS (2 to 40W)	In	Order	By: 1) Case Category, 2) Po, 3) Catalog Number
29	PTC144	NPN	AF Driver/Output	B T05 2 5.0 1.0 130 100 8.0 150.0 100 \$1.01
30	PTC142}	PNP	AF Driver/Output	B T05 2 6.0 3.0 65 45 8.0 200.0 80 1.26
31	PTC143}* 32	NPN	AF Driver/Output	B T05 2 6.0 3.0 65 45 8.0 200.0 80 1.07
31	PTC141	PNP	AF Driver/Output	B T05 2 7.0 1.0 105 100 8.0 120.0 100 1.49
33	PTC112}	NPN	AF Output	D T066 12 25.0 4.0 90 80 6.0 6.0 80 2.22
34	PTC113}* 35	PNP	AF Output	D T066 12 25.0 4.0 90 80 6.0 6.0 80 2.67
35	*PTC148	NPN	AF Output/Regulator for Line Operated Sets	D T066 12 40.0 5.0 160 120 6.0 20.0 60 4.92
36	PTC110}	NPN	AF Output for Low Power	E T0220 13 12.5 3.0 70 70 7.0 75.0 100 2.09
37	PTC111}* 38	PNP	AF Output for Lower Power	E TA220 13 12.5 3.0 70 70 7.0 75.0 100 2.42
38	*PTC157	PNP	Fast Switching Amplifier	E T0220 13 40.0 4.0 60 60 5.0 8.0 60 1.87
39	*PTC162}	PNP	AF Output for Medium Power	F T0126 15 40.0 4.0 60 60 5.0 2.0 50 1.78
40	*PTC163}* 41	NPN	AF Output for Medium Power	F T0126 15 40.0 4.0 60 60 5.0 2.0 50 1.40
41	*PTC160	PNP	Fast Switching Amplifier	F T0126 15 40.0 4.0 70 70 6.0 9.0 100 2.51
42	*PTC193	NPN	AF Output/Modular for	M T0202 26 7.0 1.5 50 40 5.0 70.0 150 4.27

E)	HIGH POWER AF OUTPUT (30 to 250W)			In	Order By:	1) Case Category,	2) Pb,	3) Ic,	4) Catalog Number					
43	PTC119	NPN	High Power Amplifier	C	T03	12	115	15.0	90	70	6.0	0.80	40	\$3.23
44	PTC140	NPN	High Power Amplifier	C	T03	12	115	15.0	105	65	7.5	2.00	120	2.98
45	PTC116	NPN	High Power Amplifier	C	T03	12	150	10.0	70	60	4.0	6.00	60	3.05
46	*PTC149	PNP	High Power Amplifier	C	T03	12	150	15.0	100	70	7.0	6.00	50	10.23
47	*PTC172	PNP	High Power Output	C	T03	12	200	16.0	100	100	7.0	1.00	50	8.36
48	*PTC173	* NPN	High Power Output	C	T03	12	200	16.0	100	100	7.0	1.00	50	6.70
49	*PTC174	* PNP	Fast Switching-High Power/ High Current Amplifier	C	T03	12	250	30.0	100	100	6.0	2.00	50	9.57
50	*PTC175	NPN	Fast Switching-High Power/ High Current Amplifier	C	T03	12	250	30.0	100	100	6.0	2.00	50	8.82
51	*PTC148	NPN	AF Output/Regulator for Line operated sets	D	T066	12	40	5.0	160	120	6.0	20.00	60	4.92
52	*PTC157	PNP	Fast Switching Amplifier	E	T0220	13	40	4.0	60	60	5.0	8.00	60	1.87
54	*PTC154	NPN	Fast Switching Power-Amp.	E	T0220	13	50	7.0	90	70	5.0	3.00	70	1.87
55	*PTC166	* PNP	AF Power Output/TV Vertical Output	E	T0220	13	75	5.0	100	80	5.0	2.00	40	2.50
56	*PTC167	NPN	AF Power Output/TV Vertical Output	E	T0220	13	75	5.0	100	80	5.0	2.00	40	2.35
57	*PTC168	PNP	High Power Amplifier (1)	E	T0127	16	100	12.0	80	80	5.0	2.00	50	3.13
58	*PTC169	* NPN	High Power Amplifier (1)	E	T0127	16	100	12.0	80	80	5.0	2.00	50	2.66
59	*PTC162	PNP	AF Power Amplifier	F	T0126	15	40	4.0	60	60	5.0	2.00	50	1.71
60	*PTC163	* NPN	AF Power Amplifier	F	T0126	15	40	4.0	60	60	5.0	2.00	50	1.40
61	*PTC164	PNP	High Power Amplifier (1)	F	T0127	15	100	12.0	80	80	5.0	2.00	50	3.36
62	*PTC165	* NPN	High Power Amplifier (1)	F	T0127	15	100	12.0	80	80	5.0	2.00	50	3.11

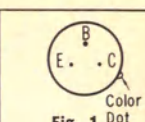
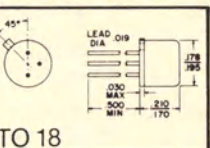
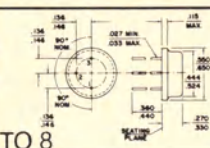
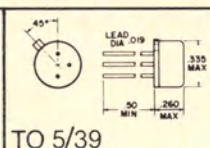
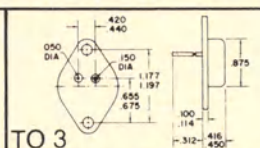
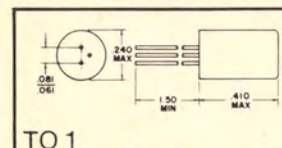


Fig. 1

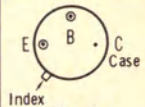


Fig. 2

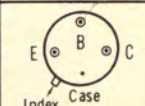


Fig. 3



Fig. 4

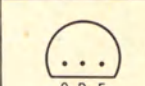
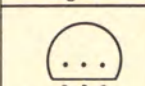
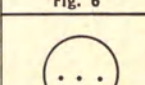


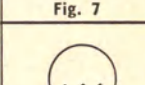
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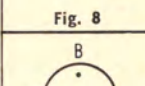
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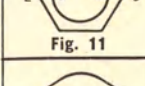
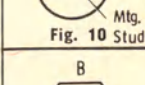
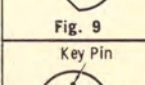
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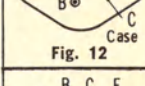
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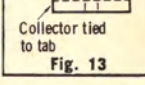
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E 0



22



* Available Also in Complementary Pairs. See Section K.

CONTINUED

- NEW PRODUCT

Prices and specifications subject to change without notice.

II) SILICON TRANSISTORS (Con't)



Fig. 14



Fig. 15



Fig. 16



Fig. 17



Fig. 18



Fig. 19



Fig. 20



Fig. 21

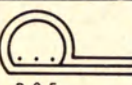


Fig. 22

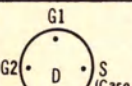


Fig. 23 Subst)



Fig. 24

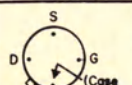


Fig. 25 Subst)



Fig. 26

Line	Catalog Number	Type (Polarity)	Description	Case Category	Case Diagram	Terminal Diagram	Absolute Maximum Ratings					Minimum	Typical	Net Each
							P _D (W)	I _C (A)	BV _{CEB} (V)	BV _{CE} (V)	BV _{EB} (V)	f _T (MHz)	h _{FE}	

F) HIGH VOLTAGE POWER OUTPUT

In Order By: 1) Case Category

63	PTC104	NPN	AF Output/Regulator	D	T066	12	20.0	3.0	350	325	10.0	40	140	\$3.39
64	PTC124	NPN	AF/Video Output	F	T0126	15	21.0	500m	350	350	5.0	20	80	2.63

Line	Catalog Number	Type (Polarity)	Description	Case Category	Case Diagram	Terminal Diagram	P _D (W)	I _C (A)	BV _{CEB} (V)	BV _{CE} (V)	BV _{EB} (V)	f _T (MHz)	h _{FE}	Net Each
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G) TV LOW POWER DRIVE/OUTPUT

In Order By: 1) I_C

65	•PTC150	NPN	AGC/Chroma/Video/Amplifier	B	T05	2	1.0	1.0	300	300	8.0	30	80	\$2.26
66	PTC117	NPN	Video Amplifier	B	T05	2	100m	1.0	350	350	8.0	60	50	1.77

Line	Catalog Number	Type (Polarity)	Description	Case Category	Case Diagram	Terminal Diagram	P _D (W)	I _C (A)	BV _{CEB} (V)	BV _{CE} (V)	BV _{EB} (V)	tr (usec)	tf (usec)	Net Each
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H) TV HIGH POWER OUTPUT/DEFLECTION/SWITCHING

In Order By: 1) Case Category, 2) P_D, 3) Catalog Number

67	PTC130	NPN	Vertical Output	C	T03	12	50	1.0	1500	700	6.0			\$7.23
68	•PTC146	NPN	Horizontal Output	C	T03	12	65	7.0	1500	1500	5.0	.8	1.2	13.82
69	•PTC129A	NPN	Horizontal Output	C	T03	12	100	5.0	700	600	3.0	.7	1.0	6.68
70	PTC118	NPN	Vertical Output	C	T03	12	125	10.0	350	330	4.0			6.86
71	•PTC149	PNP	Fast Switching High-Power Amplifier	C	T03	12	150	15.0	100	70	7.0	.6	.6	10.23
72	•PTC174*	PNP	Fast Switching High-Power, High Current Amplifier	C	T03	12	250	30.0	100	100	6.0	.7		9.57
73	•PTC175*	NPN	Fast Switching High-Power, High Current Amplifier	C	T03	12	250	30.0	100	100	6.0	.7		8.82
74	•PTC154	NPN	Plastic Power AF/Vertical Output	E	T0220	13	50	7.0	90	70	5.0			1.87
75	•PTC160	PNP	Plastic Power AF/Vertical Output	F	T0126	15	40	4.0	70	70	6.0			2.51

* Available Also in Complementary Pairs. See Section K.

1) PTC164, PTC165, PTC168, and PTC169 are all Complementary and may be used in any PNP/NPN combination.

Note: The basing of F Case Category is the mirror image of E Case Category.

Line	Catalog Number	Type (Polarity)	Description	Case Category	Case Diagram	Terminal Diagram	P _D (mW)	I _C (mA)	BV _{CEB} (V)	BV _{CE} (V)	BV _{EB} (V)	f _T (MHz)	h _{FE}	Net Each
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J) DARLINGTON PAIR AF PREAMPLIFIER

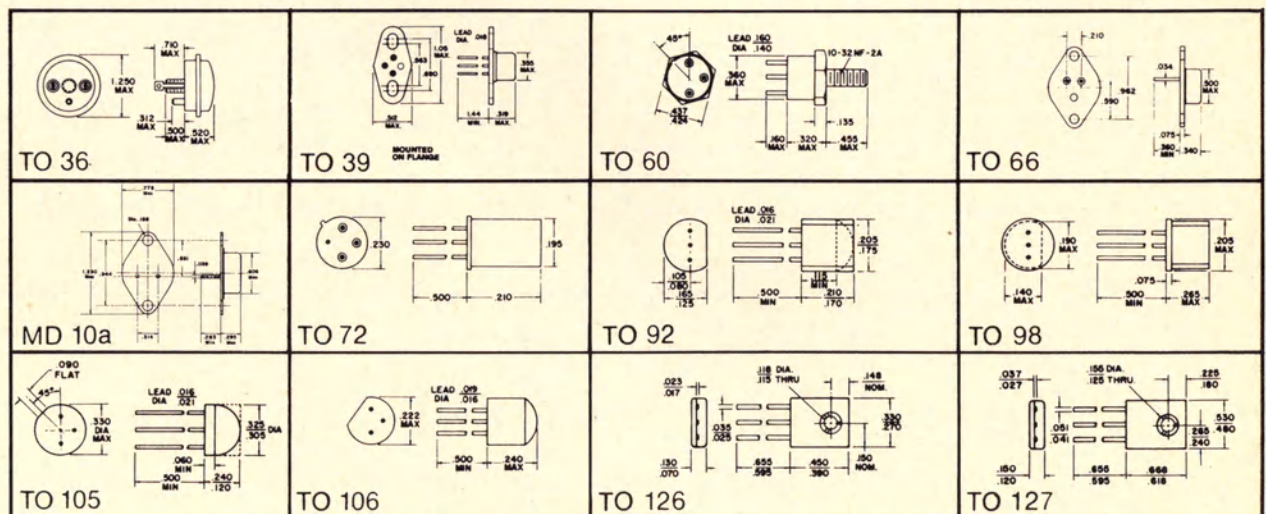
76	PTC153	NPN	High Gain Preamplifier and Switch	A	T092	4	400	200	40	40	4.5	40	7000	\$1.07
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Line	Catalog Number	Description	Case Category	Case Diagram	Terminal Diagram	P _D (W)	I _C (A)	BV _{CEB} (V)	BV _{CE} (V)	BV _{EB} (V)	f _T (MHz)	h _{FE}	Net Each
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K) COMPLEMENTARY PAIR POWER AMPLIFIERS

In Order By: 1) Case Category, 2) P_D

77	•PTC1423	Low Power Driver/Output	B	T05	2	6.0	3.0	65	45	8.0	8.0	80	\$2.11
78	•PTC1723	High Power Output	C	T03	12	200.0	16.0	100	100	7.0	1.0	50	14.87
79	•PTC1745	Fast Switching High Power-High Current Amplifier	C	T03	12	250.0	30.0	100	100	6.0	2.0	50	18.16
80	•PTC1123	Medium Power Output	D	T066	12	25.0	4.0	90	80	6.0	6.0	80	4.67
81	•PTC1101	Plastic Low-Power Output	E	T0220	13	12.5	3.0	70	70	7.0	75.0	100	4.28
82	•PTC1667	Plastic High-Power Output	E	T0220	13	75.0	5.0	100	80	5.0	2.0	40	4.63
83	•PTC1689	Plastic High-Power Output	E	T0127	16	100.0	12.0	80	80	5.0	2.0	70	5.59
84	•PTC1623	Plastic Medium Power Output	F	T0126	15	40.0	4.0	60	60	5.0	2.0	50	2.96
85	•PTC1645	Plastic High-Power Output	F	T0127	15	100.0	12.0	80	80	5.0	2.0	70	6.26
86	•PTC1778	Low Power Driver/Output	K	X28	22	1.0	1.0	70	60	5.0	200.0	160	1.56



Semiconductors

III) GERMANIUM TRANSISTORS Bipolar Replacement Types

							Typical	Absolute Maximum Ratings					Minimum		
Line	Catalog Number	Type (Polarity)	Description	Case Category	Case Diagram	Terminal Diagram	h_{FE}	P_D (mW)	I_C (mA)	BV_{CB} (V)	BV_{CE} (V)	BV_{EB} (V)	f_T (MHz)	Net Each	
A) SMALL SIGNAL AF AMPLIFIERS & PREAMPLIFIERS							In Order By: 1) Case Category, 2) h_{FE}								
87	PTC109	PNP	Preamp/AF Amp/Driver	B	T01	1	100	150	200	33	13.2	22.0	5.5	\$1.31	
88	PTC102	PNP	AF/IF/RF Amp/Oscillator	B	T05	2	120	200	300	40	25.0	6.0	5.0	.86	
							Minimum	Absolute Maximum Ratings					Typical		
Line	Catalog Number	Type (Polarity)	Description	Case Category	Case Diagram	Terminal Diagram	f_T (MHz)	P_D (mW)	I_C (mA)	BV_{CB} (V)	BV_{CE} (V)	BV_{EB} (V)	h_{FE}	Net Each	
89	PTC102	PNP	AF/IF/RF Amp/Oscillator	B	T05	2	5.0	200	300	40.0	25	6.0	120	\$0.86	
90	PTC108	NPN	RF/IF/Amp/Osc/Mixer for AM Radio	B	T05	2	27.5	150	300	46.7	27	22.0	70	1.62	
91	PTC107	PNP	RF/IF/Amp/Osc/Mixer for AM Radio	B	T072	3	500.0	100	50	33.0	22	3.3	70	1.89	
92	•PTC145	PNP	IF/RF Amp/Osc/Mixer	B	T05	2	800.0	300	200	33.0	33	2.75	200	1.26	
B) SMALL SIGNAL RF & IF AMPLIFIERS AND OSCILLATORS							In Order By: 1) f_T								
							Absolute Maximum Ratings					Minimum	Typical		
Line	Catalog Number	Type (Polarity)	Description	Case Category	Case Diagram	Terminal Diagram	P_D (W)	I_C (A)	BV_{CB} (V)	BV_{CE} (V)	BV_{EB} (V)	f_T (MHz)	h_{FE}	Net Each	
C) LOW POWER AF AMPLIFIERS/DRIVERS/OUTPUTS							In Order By: 1) P_D								
93	PTC109	PNP	Preamp/AF Amp/Driver	B	T01	1	150m	200m	33	13.2	22	5.5	100	\$1.31	
94	PTC134	NPN	Low Power Driver/Output	B	T01	1	350m	500m	36	36.0	14	2.75	180	1.43	
95	PTC135	PNP	Low Power Driver/Output	B	T01	1	900m	500m	38	35.0	14	2.75	180	1.29	
96	•PTC156	PNP	Low Power Driver/Output	B	T01	1	1.6	1.0	32	32.0	10	1.5	110	1.57	
D) MEDIUM POWER AF DRIVER/OUTPUT (2 to 40 watts)							In Order By: 1) Case Category								
97	•PTC155	PNP	Power Amp/Regulator (used in DC-DC (Conv's)	B	T08	1	9.0	5.0	60	40	5.0	1.0	100	\$2.07	
98	PTC138	PNP	AF Power Output	C	T03	12	25.0	5.0	75	65	17.0	4.5	200	2.35	
99	•PTC194	PNP	AF Power Output	L	MD10a	12	12.0	2.0	35	35	6.0	.700	100	3.53	
E) HIGH POWER AMPLIFIERS (Over 30 watts)							In Order By: 1) Case Category, 2) P_D								
100	PTC114	PNP	AF Power Output	C	T03	12	70	3.0	35	22	16.5	1.0	100	\$2.33	
101	PTC105	PNP	AF Power Output	C	T03	12	90	7.0	72	50	35.0	.600	80	2.41	
102	PTC147	PNP	AF Power Output	C	T03	12	106	25.0	90	110	3.0	.385	70	3.35	
103	PTC120	PNP	AF Power Output	D	T066	12	57	5.0	45	35	13.0	.350	100	2.87	
104	PTC106	PNP	AF Power Output	J	T036	10	150	15.0	55	45	20.0	.600	90	4.11	
F) TV HIGH POWER OUTPUT/DEFLECTION/SWITCHING															
105	PTC122	PNP	AF Output/Regulator and Switch	C	T03	12	56	10	220	350	2.2	1.1	65	6.35	

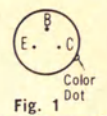


Fig. 1

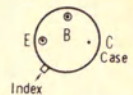


Fig. 2



Fig. 7

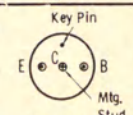


Fig. 10

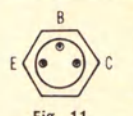


Fig. 11

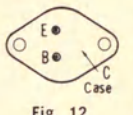


Fig. 12

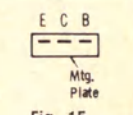


Fig. 15

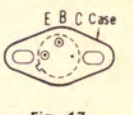


Fig. 17

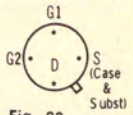


Fig. 23

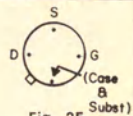


Fig. 25

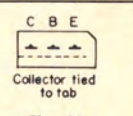


Fig. 26

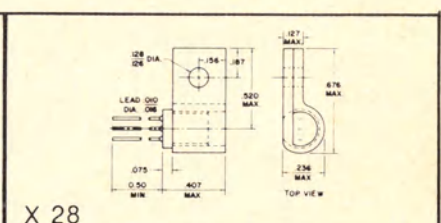
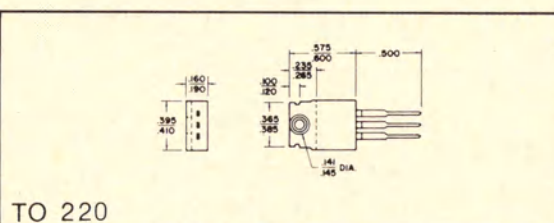
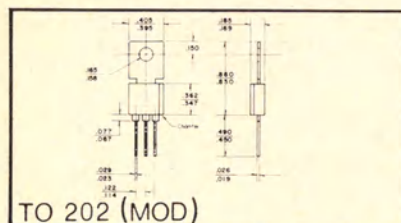
IV) FIELD EFFECT TRANSISTORS

Line	Catalog Number	Type (Polarity)	Description	Case Diagram	Terminal Diagram	Typical	Minimum		Maximum					Net Each
						g_{fs} at 100MHz (μ Mhos)	I_{DSS} (mA)	I_{GSS} (mA)	V_{DG} (V)	V_{DS} (V)	V_{GSS} (V)	I_G (mA)	P_D (mW)	
A) GENERAL PURPOSE JFET's														
106	•PTC151	N-Ch	General Purpose Amp.	T092	7	2000	2.0	1.0	25	25	25	10	200	\$1.68
107	•PTC152	N-Ch	FM, TV IF, Mixer, RF	T092	7	5500	5.0	1.0	30	30	50	50	350	1.11
108	•PTC161	N-Ch	AF, IF, RF Amp/Osc	T092	6	7000	5.0	1.0	40	40	50	50	400	.92
B) VHF MOSFET's (SINGLE GATE)														
109	•PTC183	N-Ch	AF, IF, RF, VHF Amplifier/ Osc.	T072	25	5000	5.0	5.0	20	20	10	25	320	2.71
C) VHF MOSFET's (DUAL GATE)														
110	•PTC181	N-Ch	FM/TV IF, Mixer, RF	T072	23	8000	6.0	10uA	30	25	30	10	1200	1.52
111	•PTC182	N-Ch	AF Preamp, AF Mixer; FM/TV IF, Mixer, RF	T072	23	30000	6.0	10uA	35	27	6 (min)	10	1200	1.82
D) UHF MOSFET's (DUAL GATE)														
112	•PTC184	N-Ch	VHF and UHF RF, Mixer, IF	T072	23	9000	1.0	10uA	25	20	30	10	360	2.11

V) RF POWER TRANSISTORS

Line	Catalog Number	Case Diagram	Terminal Diagram	Description	Pout at 27 MHz			Absolute Maximum Ratings					Min.	Typical	Max.	Net Each
					Minimum (W)	V_{CC} (V)	I_{CC} (mA)	P_D (W)	I_C (A)	BV_{CB} (V)	BV_{CE} (V)	BV_{EB} (V)	f_T (MHz)	h_{FE}	Cob (pf)	
113	PTC179	T05	2	Driver	400m	12	85	2.0	250m	30	60	2.0	300	50	6.0	\$2.62
114	PTC180	T0126	15	Driver/Output	900m	12		5.0	800m	70	50	5.0	100		30.0	2.21
115	PTC191	T039	2	Driver/Output	1.0	24		600m	1.0	60	5.0	100	30		30.0	5.59
116	PTC192	T0202	26	Output	1.2	12		4.0	1.0	75	35	4.0	200	20		4.64
117	PTC186	T0220	13	Output	3.0(1)	12	200	20.0	6.0	65	45	4.0	100	10 (min)	100.0	6.87
118	PTC158	T039	2	Output	3.5	12	415	10.0	1.5	60	60	2.5	200	60	20.0	3.59
119	PTC176	T039*	17	Output	3.5	12	415	10.0	1.5	60	60	2.5	200	60	20.0	9.01

(1) Class "C" Operation (2) Class "AB" Operation
* On Diamond Mounting Flange



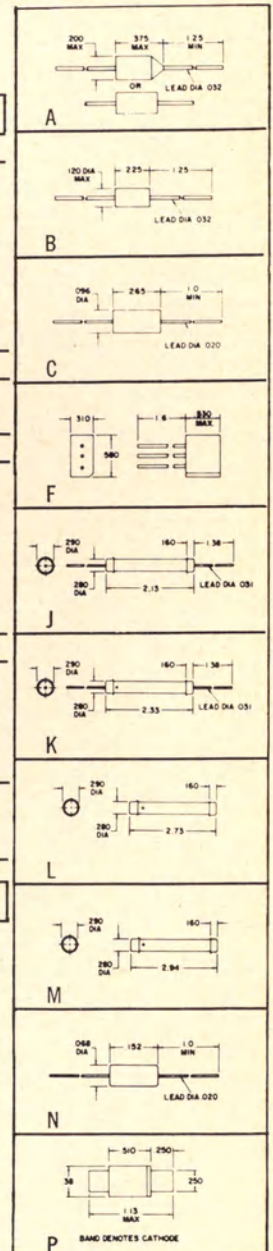
VI) SEMICONDUCTOR HARDWARE KITS and HARDWARE ITEMS

Catalog Number	Description	Net Each	Contains				Contains			
			Kit #	Quantity	Part Number	Net Each	Kit #	Quantity	Part Number	Net Each
HD04A	Mica Washer	\$0.012								
HD04B	Brass Washer	.017								
HD04C	Teflon® Washer	.017								
HD04D	Solder Terminal	.020								
HD05A	Mica Washer	.020								
HD05B	Brass Washer	.020								
HD05C	Teflon® Washer	.080								
HD05D	Solder Terminal	.066								
HD05E	1/4" - 28 Locknut	.030								
HT03A	Mica Wafer	.100								
HT03B	Insulating Shoulder Washer	.100								
HT03C	#6-32 x 3/8" Screw	.100								
HT03D	#6-32 Nut	.100								
HT036A	Mica Wafer	.120								
HT036B	Insulating Shoulder Washer	.200								
HT036C	Lockwasher Solder Terminal	.200								
HT036D	Steel Washer	.100								
HT036E	#10-32 Locknut	.100								
HT039A	Mica Wafer	.120								
HT066A	Mica Wafer	.100								
HT0126B	Insulating Shoulder Washer	.100								
HT0126C	#4-40 x 3/8" screw	.100								
HT0126D	#4-40 Nut	.100								
HT0220A	Mica Wafer	.100								

VII) GENERAL PURPOSE DIODES and RECTIFIERS

In Order By: PIV, 2) Io

In Order By: PIV, 2) Io					Maximum Ratings						
Line	Catalog Number	Outline Diagram	Application	Material	PIV (V)	Io (A)	Vf at If (V)	Ir at PIV (uA)	1Hz Surge (A)	Net Each	
A) GENERAL REPLACEMENT DIODES AND RECTIFIERS											
121	PTC206	C	General Detector	Germ.	50	50m	.50	375m	200	500m	\$0.28
122	•PTC206M		Matched Pair, PTC206's								.44
123	PTC207	C	General Detector	Germ.	60	50m	1.0	5m	500	500m	.36
124	•PTC207M		Matched Pair, PTC207's								.57
125	PTC214	N	Fast Switching Det	Si.	200	250m	1.0	250m	1.0	8.0	.67
126	•PTC214M		Matched Pair, PTC214's								1.21
127	PTC201	B	General Purpose Rectifier	Si.	400	1.0	1.0	1.0	1.0	30.0	.48
128	PTC202	B	General Purpose Rectifier	Si.	600	1.0	1.0	1.0	1.0	30.0	.49
129	PTC203	B	General Purpose Rectifier	Si.	1000	1.0	1.0	1.0	1.0	30.0	.52
130	PTC205	B	General Purpose Rectifier	Si.	1000	2.5	1.0	2.5	1.0	80.0	.42
131	PTC204	B	General Purpose Rectifier	Si.	1000	3.0	1.0	3.0	1.0	80.0	.52
B) GENERAL REPLACEMENT MULTI-CELL DIODES											
132	PTC401	FW*	Full wave bridge	Si.	200	2.0	1.0	750m	5.0	35	2.88
133	PTC402	FW*	Full wave bridge	Si.	600	2.0	1.0	750m	5.0	35	1.86
* For Terminal Diagram see FIG. 20—Page 69.											
C) TELEVISION APPLICATIONS, SINGLE CELL											
134	PTC217	C	UHF Mixer (NF 14db)	Si.	5.0	15mA @ .5V		15@ .5V			.86
135	PTC209	SE	Boost Rectifier	Sel.	800	2m		150			1.62
136	PTC216	A	Fast Switching Damper	Si.	1400	1.0	1.0	6.0	50		1.11
137	PTC218	P	Damper	Si.	5000	300m	4.4	300m	5.0	15	3.71
138	PTC208	SEL	Focus Rectifier	Sel.	6500	2m		150			1.96
139	PTC210	J	High Voltage Rectifier	Sel.	11K	25m	18	25m	1.0		2.67
140	PTC211	K	High Voltage Rectifier	Sel.	13K	25m	35	25m	1.0		2.77
141	PTC212	L	High Voltage Rectifier	Sel.	18K	25m	35	25m	1.0		3.52
142	PTC213	M	High Voltage Rectifier	Sel.	20K	25m	35	25m	1.0		2.82
D) TELEVISION APPLICATIONS, MULTI-CELL											
143	PTC403	E1	Convergence	Sel.	18	65m					1.39
144	PTC404	E2	Convergence	Sel.	18	65m					1.55
145	PTC405	E3	Convergence	Sel.	18	65m					1.70
146	PTC407	F	Horizontal AFC(2)	Sel.	47	250m					.82
147	PTC406	F	Horizontal AFC(1)	Sel.	47	500m					.63
(1) Cells connected in series (figure 18)											
(2) Cells connected in Common Cathode (figure 19)											



VIII) 1 WATT ZENER VOLTAGE REGULATORS

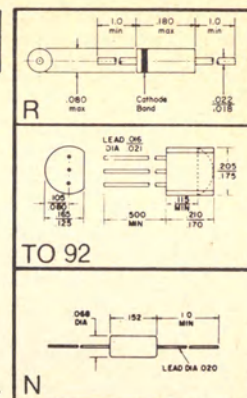
Types: PTC (+ 10%), ZB (+ 10%) and ZB (+ 5%)

In Order By: Nominal Vz (Case B) (Vf @ If = 1.0v @ 1.0A)

Line	PTC Catalog Number	ZB 10% Catalog Number	ZB 5% Catalog Number	Nominal Vz (V)	IzT (mA)	Maximum Ratings at 25° C				Net Each
						ZzT at IzT (Ohms)	IzK (mA)	ZzK at IzK (Ohms)	IzM (mA)	
148	PTC501	ZB3.6A	ZB3.6B	3.6	69.0	10.0	1.0	700	277	\$0.83
149	PTC502	ZB5.6A	ZB5.6B	5.6	45.0	5.0	1.0	700	179	.83
150	PTC503	ZB6.2A	ZB6.2B	6.2	40.0	3.0	1.0	700	161	.83
151		ZB6.8A	ZB6.8B	6.8	37.0	3.5	1.0	700	147	.83
152	PTC504	ZB7.5A	ZB7.5B	7.5	34.0	4.0	0.5	700	133	.83
153		ZB8.2A	ZB8.2B	8.2	31.0	4.5	0.5	700	121	.83
154	PTC505	ZB9.1A	ZB9.1B	9.1	28.0	5.0	0.5	700	109	.83
155	PTC506	ZB10A	ZB10B	10.0	25.0	7.0	0.25	700	100	.83
156		ZB11A	ZB11B	11.0	23.0	8.0	0.25	700	90	.83
157	PTC507	ZB12A	ZB12B	12.0	21.0	9.0	0.25	700	83	.83
158	PTC508	ZB13A	ZB13B	13.0	19.0	10.0	0.25	700	77	.83
159	PTC509	ZB15A	ZB15B	15.0	17.0	14.0	0.25	700	67	.83
160		ZB16A	ZB16B	16.0	15.5	16.0	0.25	700	63	.83
161	PTC510	ZB18A	ZB18B	18.0	14.0	20.0	0.25	750	55	.83
162		ZB20A	ZB20B	20.0	12.5	22.0	0.25	750	50	.83
163		ZB22A	ZB22B	22.0	11.5	23.0	0.25	750	45	.83
164		ZB24A	ZB24B	24.0	10.5	25.0	0.25	750	41	.83
165	PTC511	ZB27A	ZB27B	27.0	9.5	35.0	0.25	750	37	.83
166		ZB30A	ZB30B	30.0	8.5	40.0	0.25	1000	33	.83
167	PTC512	ZB33A	ZB33B	33.0	7.5	45.0	0.25	1000	30	.83

Semiconductors

Line	PTC Catalog Number	ZB 10% Catalog Number	ZB 5% Catalog Number	Nominal V_z (V)	I_{zT} (mA)	Maximum Ratings at 25°C				Net Each
						Z_{zT} at I_{zT} (Ohms)	I_{zK} (mA)	Z_{zK} at I_{zK} (Ohms)	I_{zM} (mA)	
168		ZB36A	ZB36B	36.0	7.0	50.0	0.25	1000	27	\$0.83
169	PTC517	ZB39A	ZB39B	39.0	6.5	60.0	0.25	1000	25	.83
170		ZB43A	ZB43B	43.0	6.0	70.0	0.10	1500	23	.83
171	PTC518	ZB47A	ZB47B	47.0	5.5	80.0	0.25	1500	21	.83
172		ZB51A	ZB51B	51.0	5.0	95.0	0.25	1500	19	.83
173	PTC513	ZB56A	ZB56B	56.0	4.5	110.0	0.25	2000	17	.83
174	PTC514	ZB62A	ZB62B	62.0	4.0	125.0	0.25	2000	16	.83
175		ZB68A	ZB68B	68.0	3.7	150.0	0.25	2000	14	.83
176		ZB75A	ZB75B	75.0	3.3	175.0	0.25	2000	13	.83
177	PTC515	ZB82A	ZB82B	82.0	3.1	200.0	0.25	3000	12	.83
178		ZB91A	ZB91B	91.0	2.8	250.0	0.25	3000	10	.83
179		ZB100A	ZB100B	100.0	2.5	350.0	0.25	3000	10	.83
180	PTC516	ZB110A	ZB110B	110.0	2.3	450.0	0.25	4000	9	1.10
181		ZB120A	ZB120B	120.0	2.0	550.0	0.25	4500	8	1.10
182		ZB130A	ZB130B	130.0	1.9	700.0	0.25	5000	7	1.10
183		ZB150A	ZB150B	150.0	1.7	1000.0	0.25	6000	6	1.10
184		ZB160A	ZB160B	160.0	1.6	1100.0	0.25	6500	6	1.10
185		ZB180A	ZB180B	180.0	1.4	1200.0	0.25	7000	5	1.10
186		ZB200A	ZB200B	200.0	1.2	1500.0	0.25	8000	5	1.10



IX) HALF WATT ZENER DIODES

Refer to Outline Drawing "R". Net Each \$0.56

Line	Part Number	Nominal Voltage	Test Current	Max. Dynamic Impedance	Reverse Current	
		Vz Volts	Izr mA	Zz Ohms	Ir at Vr uA	Volts
189	• ZM3.3	3.3	20.0	28	25	.95
190	• ZM3.6	3.6	20.0	24	15	.95
191	• ZM3.9	3.9	20.0	23	10	.95
192	• ZM4.3	4.3	20.0	22	5	.95
193	• ZM4.7	4.7	20.0	19	5	1.9
194	• ZM5.1	5.1	20.0	17	5	1.9
195	• ZM5.6	5.6	20.0	11	5	2.9
196	• ZM6	6.0	20.0	7	5	3.3
197	• ZM6.2	6.2	20.0	7	5	3.8
198	• ZM6.8	6.8	20.0	5	3	4.8
199	• ZM7.5	7.5	20.0	6	3	5.7
200	• ZM8.2	8.2	20.0	8	3	6.2
201	• ZM8.7	8.7	20.0	8	3	6.2
202	• ZM9.1	9.1	20.0	10	3	6.7
203	• ZM10	10.0	20.0	17	3	7.6
204	• ZM11	11.0	20.0	22	2	8.0
205	• ZM12	12.0	20.0	30	1	8.7
206	• ZM13	13.0	9.5	13	0.5	9.4
207	• ZM14	14.0	9.0	15	0.1	9.5
208	• ZM 15	15.0	8.5	16	0.1	10.5
209	• ZM16	16.0	7.8	17	0.1	11.4
210	• ZM17	17.0	7.4	19	0.1	12.4
211	• ZM18	18.0	7.0	21	0.1	13.3
212	• ZM19	19.0	6.6	23	0.1	13.3
213	• ZM20	20.0	6.2	25	0.1	14.3
214	• ZM22	22.0	5.6	29	0.1	16.2
215	• ZM24	24.0	5.2	33	0.1	17.1
216	• ZM25	25.0	5.0	35	0.1	18.1
217	• ZM27	27.0	4.6	41	0.1	20.0
218	• ZM28	28.0	4.5	44	0.1	20.0
219	• ZM30	30.0	4.2	49	0.1	22.0
220	• ZM33	33.0	3.8	58	0.1	24.0

X) SILICON VARISTOR DIODES

Line	Catalog Number	Outline Diagram	Application	Maximum			Typical		Maximum		Typical	Net Each
				V_R V	I_{FAV} mA	I_{FM} mA	V_F V	I_F mA	I_R μA	$\Delta V_F / \Delta T_A$ mV/°C		
221	• PTC301	N	Bias & Temp. Compensation	5	50	150	.66	3.0	10	2.0		\$0.50
222	• PTC302	N	Auto Voltage Control		20		.78	30.0				.37

XI) SILICON CONTROLLED RECTIFIERS

Line	Catalog Number	Outline Diagram	Terminal Diagram	Absolute Maximum Ratings					Minimum	Maximum			Net Each		
				V_{RSM} (V)	V_{DRM} (V)	I_T (AV) (mA)	I_{TSM} (A)	P_{GM} (mW)	V_{GM} (V)	V_{GD} (mV)	I_{DRM} (μ A)	V_{TM} (V)		V_{GT} (V)	I_H (mA)
223	•PTC651	TO92	8	300	200	200	6.0	100	-5.0	200	100	2.0	0.8	5.0	\$0.96

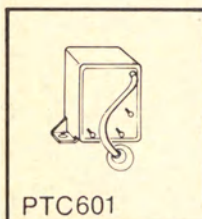
XII) SPECIAL PURPOSE TELEVISION DEVICES

A) HIGH VOLTAGE MULTIPLIERS

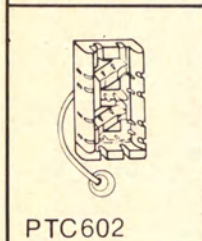
Line	Catalog Number	Application	Peak In-put Voltage (KV)	No Load Hi-Volt Output (KV)	DC Output Current (mA)	Focus Voltage at 250 μA (KV)	Net Each
224	PTC601	Silicon Hi-Voltage Quadrupler — — Replacement for: RCA #130-026, #146364-1/2.	8.0	24	2.25	8.0	\$33.10
225	PTC602	Selenium Hi-Voltage Tripler — — Replacement for: Sears (Wells Gardner) #66X0045-001, Zenith #212-108, #212-109, and #212-112.	8.5	25	1.0	8.5	27.71
226	PTC603	Silicon Hi-Voltage Tripler — — Replacement for: Fleetwood #66F031-1/2-3, #66F054-1/2-3; Sylvania #32-29778-1/2-3/4; Zenith #212-102, #212-103, #212-104, #212-105, #212-106, and #212-107.	8.5	24	2.0	8.5	24.79

B) QUARTZ COLOR OSCILLATOR CRYSTALS

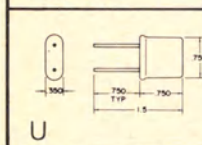
Line	Catalog Number	Application	Shunt Capacitance (pf)	Frequency Tolerance (%)	Net Each
227	PTC604	Color Oscillator	5.59	$\pm .003$	\$2.01
228	PTC605	Color Oscillator	3.50	$\pm .003$	2.01
229	PTC606	Color Burst Filter	5.00	$\pm .003$	2.44



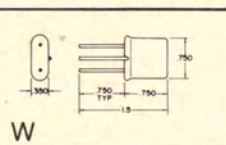
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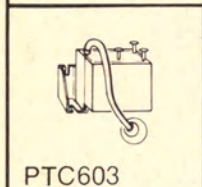
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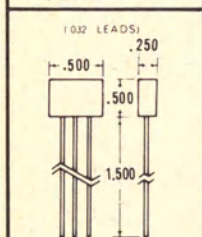
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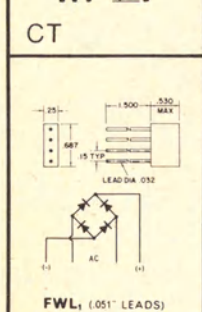
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PTC603



CT



FW

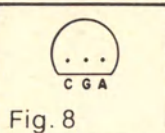
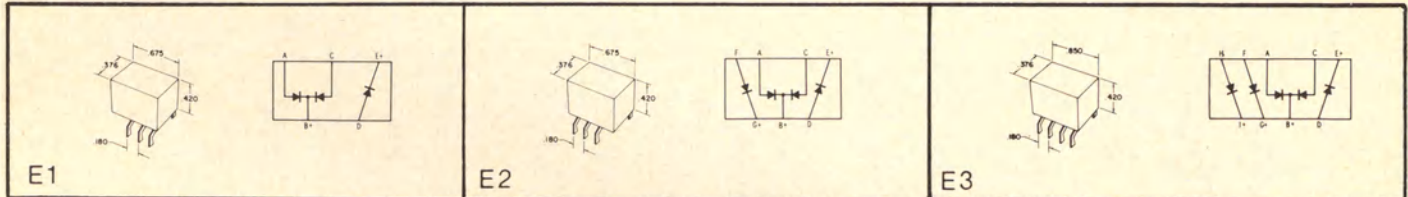


Fig. 8

XIII) DUAL DIODES and FULL WAVE BRIDGES

Package	Case Outline Diagram	Maximum Continuous Io (A)	PIV RATINGS (Volts)									
			50	100	200	300	400	500	600	800	1000	
BRIDGE RECTIFIER	FW	2.0	Catalog Number	FW50	FW100	FW200	FW300	FW400	FW500	FW600	FW800	FW1000
			Net Each	\$1.17	\$1.21	\$1.27	\$1.33	\$1.50	\$1.60	\$1.66	\$2.42	\$2.76
	FWL1	4.0	Catalog Number	FWLC 50	FWLC 100	FWLC 200	FWLC 300	FWLC 400		FWLC 600	FWLC 800	FWLC 1000
			Net Each	1.72	1.80	2.12	2.18	2.43		2.64	3.78	3.60
		6.0	Catalog Number	FWLD 50	FWLD 100	FWLD 200	FWLD 300	FWLD 400		FWLD 600	FWLD 800	FWLD 1000
			Net Each	2.08	2.18	2.46	2.93	3.02		3.38	3.65	5.90
DUAL DIODE (Common Anode)	CT	1.5	Catalog Number	CTN50	CTN100	CTN200	CTN300	CTN400				
DUAL DIODE (Common Cathode)			Net Each	.58	.62	.68	.75	.78				
			Catalog Number	CTP50	CTP100	CTP200	CTP300	CTP400		CTP600	CTP800	CTP1000
			Net Each	.58	.62	.68	.75	.78		.95	1.05	1.42

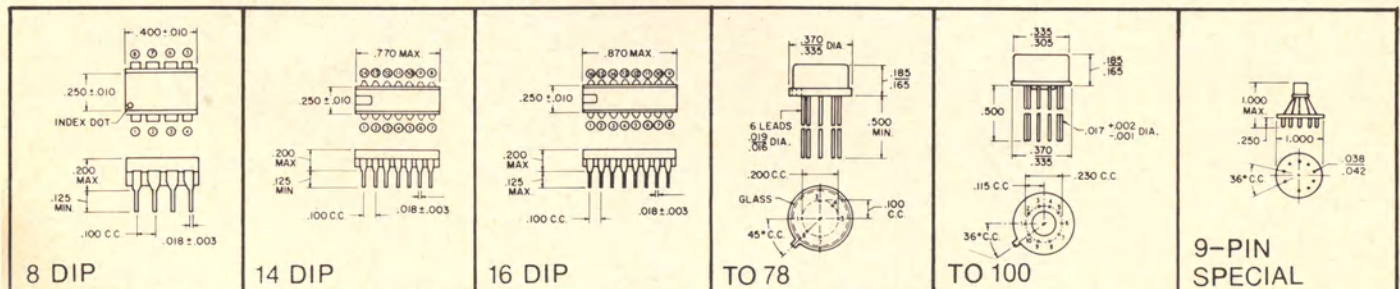


XIV) LINEAR INTEGRATED CIRCUITS

Line	Catalog Number	Description	Replacement For	Outline Drawing	Net Each
A) AUDIO APPLICATIONS					
230	PTC717	Stereo Preamplifier	MC1339, SN76130, ULN2126	14 DIP	\$5.16
231	PTC732	Stereo Power Amplifier	SN76177, ULN2275	PTP	4.41
232	PTC738	Stereo Power Amplifier	ULN2277	PTP	5.86
233	PTC740	Mono Power Amplifier	LM380, ULN2280	14 DIP	3.92
234	PTC742	Stereo Power Amplifier	LM377, uA705, ULN2278	PTP	6.34
235	PTC757	Mono Power Amplifier	AN214	PTM	3.22
236	PTC762	Low Noise Stereo Preamplifier	LM382	14 DIP	4.86
237	PTC765	Stereo Preamplifier	LM1303, MC1303, SN76131	14 DIP	4.86
238	PTC780	Mono Power Amplifier	TA7205	10 SIP	4.23
B) AM/FM RADIO RF/IF/DETECTOR APPLICATIONS					
239	PTC701	FM Limiter/Detector	CA2111, MC1357, SN76643, ULN2111	14 DIP	2.26
240	PTC703	FM Limiter/Detector	ULN2113	14 DIP	2.26
241	PTC723	FM Sound Channel	CA3075, LM3075, MC1375, SN76675, uA3075, ULN2129	14 DIP	2.96
242	PTC734	AM Radio System	CA3123, LM1820, SN76635, uA720, ULN2137	14 DIP	3.92
243	PTC736	IF Gain Block with Voltage Regulator	uA753, ULN2209	8 DIP	3.16
244	PTC737	FM Limiter/Detector	ULN2136	14 DIP	3.41
245	PTC743	RF/IF Amplifier	LA703, LM703, uA703, uPC555	T078	1.69
246	PTC744	RF/IF Amplifier	CA3028, LM3028, TA7045	T078	2.62
247	PTC756	AM/FM IF System	AN203	14 DIP	2.22
248	PTC767	FM IF System	CA3089, ULN2289	16 DIP	5.59
C) FM STEREO PROCESSORS					
249	PTC709	Stereo Processor with Audio Mute and Stereo-Mono Switch	LM1304, MC1304, SN76104, uA732, uA768*, ULN2120	14 DIP	3.19
250	PTC711	Stereo Processor with Emitter Follower Outputs	SN76111, ULN2121	14 DIP	3.19
251	PTC713	Stereo Processor w/AF Mute, St.-Mono Sw. & Adj. Chan. Sep.	HA1115, LM1305, MC1305, SN76105, ULN2122	14 DIP	3.56
252	PTC721	Stereo Processor	LM1307, MC1307, SN76110, uA767, ULN2128	14 DIP	3.16
253	PTC729	Phase Locked Loop Stereo Processor	LM1800, MC1311, SN76116, uA758, ULN2244	16 DIP	4.77
254	PTC735	Phase Locked Loop Stereo Processor	CA1310, HA1156, LM1310, MC1310, SN76115, TA7157, uA729, ULN2210, uPC554	14 DIP	5.86

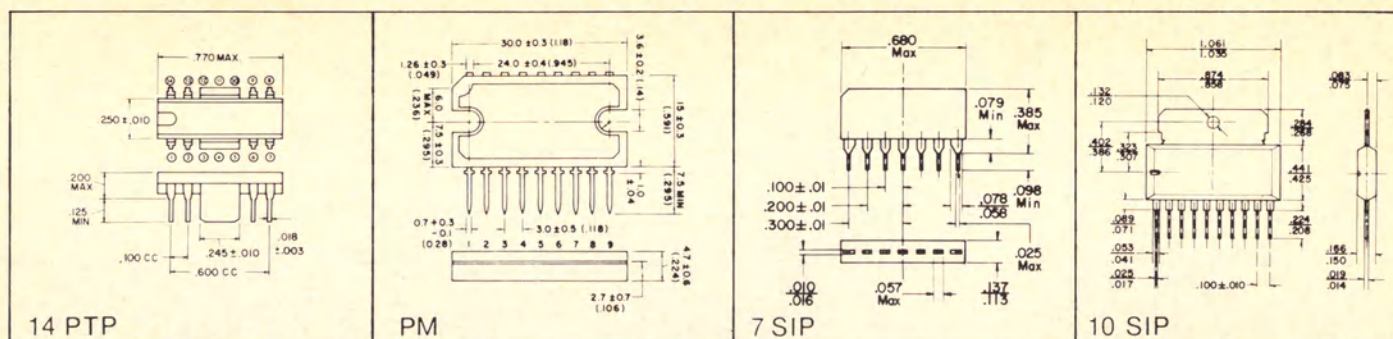
Line	Catalog Number	Description	Replacement For	Outline Drawing	Net Each
D) TELEVISION IF AMPLIFIER APPLICATIONS					
255	PTC719	Chroma Amplifier	CA3017, CA3071, LM3071, MC1371, SN76243, uA781, ULN2127	14 DIP	\$3.54
256	PTC726	TV Sound Channel	AN241, CA3065, HA1124, HA1125, HA1154, ITT3065, LA1365, LM3065, MC1358, SN76665, uA3065, ULN2165	14 DIP	5.84
257	PTC745	TV Sound System	LM1351, MC1351, SN76651, TA7072, TA7073	14 DIP	3.01
258	PTC746	Video IF Amp/AGC/Keyer	AN238, CA1352, HA1139, MC1352, SN76650, TA7074, uPC595	14 DIP	3.19
259	PTC747	Wide Band Amplifier and Discriminator	CA3013, CA3014, HA1103, HA1104, HA1113, TA7038	T0100	4.49
260	PTC781	FM/TV Sound IF Amplifier	TA7061, uPC577	7 SIP	1.83
E) TELEVISION SIGNAL/COLOR PROCESSORS					
261	PTC705	Chroma Demodulator	LM746, MC1328P, SN76246, uA746D, ULN2114A	14 DIP	3.26
262	PTC707	Chroma Demodulator	MC1328G, TA7053, uA746H, ULN2114K	T0100	4.86
263	PTC708	Chroma Demodulator	uA737E, ULN2114W	9 Pin Sp	5.77
264	PTC715	Color Subcarrier Regenerator	CA3070, MC1370, SN76242, uA780, ULN2124	16 DIP	2.92
265	PTC728	Dual, Double-Balanced Chroma Demodulator	CA3072, ULN2228	14 DIP	5.86
266	PTC730	TV AFT	CA3064, HA1126, LM3064, M5134P, TA7070	14 DIP	2.67
267	PTC731	Video Signal Processor	CA3120, LM1845, ULN2125	16 DIP	3.89
268	PTC733	Chroma Amp/Demod	CA3121, ULN2269	16 DIP	3.92
269	PTC739	Chroma Demodulator with RGB Output Matrix	MC1324, MC1326, TA7103, UA1326, ULN2224	14 DIP	2.92
270	PTC741	Chroma Processor	CA1398, MC1398, ULN2298, ULX2298	14 DIP	3.92
271	PTC754	TV AFT	CA3064, HA1126, LM3064, TA7070	14 DIP	2.74
272	PTC758	Chroma Demodulator	AN225	14 DIP	3.94
273	PTC769	Chroma Processor	CA3126, LM1829, ULN2262	16 DIP	6.69
274	PTC776	Chroma Demodulator	CA3067, LM3067, MC1367	16 DIP	4.80

* Channels Reversed



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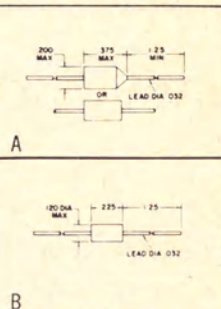
Semiconductors



XV) POPULAR SILICON RECTIFIERS

Line	Catalog Number	Outline Diagram	P I V (V)	Maximum Ratings				1 Hz Surge (A)	Net Each
				Io (A)	Vf at If (V)	If (A)	Ir at PIV (μ A)		
275	M2.5A	B	1000	2.5	1.0	2.5	1.0	80	\$0.80
276	A50	B	50	1.0	1.0	1.0	5.0	60	.32
277	A300	B	300	1.0	1.0	1.0	5.0	60	.38
278	A600	B	600	1.0	1.0	1.0	5.0	60	.42
279	A1000	B	1000	1.0	1.0	1.0	5.0	60	.52
280	IN4001	B	50	1.0	1.0	1.0	10.0	30	.36
281	IN4002	B	100	1.0	1.0	1.0	10.0	30	.36
282	IN4003	B	200	1.0	1.0	1.0	10.0	30	.43
283	IN4004	B	400	1.0	1.0	1.0	10.0	30	.52
284	IN4005	B	600	1.0	1.0	1.0	10.0	30	.60
285	IN4006	B	800	1.0	1.0	1.0	10.0	30	.67
286	IN4007	B	1000	1.0	1.0	1.0	10.0	30	.74

Maximum Ratings								
Line	Catalog Number	Outline Diagram	P I V (V)	Io (A)	Vf at If (V)	Ir at PIV (uA)	1 Hz Surge (A)	Nett Each
287	IN2069A	B	200	750m	1.1	750m	5.0	50
288	IN2070A	B	400	750m	1.1	750m	5.0	50
289	IN2071A	B	600	750m	1.1	750m	5.0	50
290	5SA05	A	50	5.0	1.1	5.0	1.0	300
291	5SA2	A	200	5.0	1.1	5.0	1.0	300
292	5SA4	A	400	5.0	1.1	5.0	1.0	300
293	5SA6	A	600	5.0	1.1	5.0	1.0	300
294	5SA10	A	1000	5.0	1.1	5.0	1.0	300
295	5I05A	B	50	2.0	1.0	2.0	1.0	80
296	5I2A	B	200	2.0	1.0	2.0	1.0	80
297	5I4A	B	400	2.0	1.0	2.0	1.0	80
298	5I6A	B	600	2.0	1.0	2.0	1.0	80
299	5I10A	B	1000	2.0	1.0	2.0	1.0	80
300	5I12A	B	1200	2.0	1.0	2.0	1.0	80



XVI) INDUSTRIAL and EXACT REPLACEMENT DIODES

Catalog Number	PIV (V)	Io (A)	Case	Net Each
1N253	100	3.0	S	\$1.04
1N254	200	3.0	S	1.08
1N255	400	3.0	S	1.56
1N256	600	3.0	S	2.13
1N332	400	1.2	S	1.62
1N333	400	.6	S	1.62
1N334	300	1.2	S	1.33
1N335	300	.6	S	1.33
1N336	200	1.2	S	1.08
1N337	200	.6	S	1.08
1N339	100	1.2	S	1.04
1N340	100	.6	S	1.04
1N341	400	1.2	S	1.62
1N342	400	.6	S	1.62
1N343	300	1.2	S	1.33
1N344	300	.6	S	1.33
1N345	200	1.2	S	1.08
1N346	200	.6	S	1.08
1N348	100	1.2	S	1.04
1N349	100	.6	S	1.04
1N440	100	.3	H	.65
1N440B	100	.75	H	.65
1N441	200	.30	H	.66
1N441B	200	.75	H	.66
1N442	300	.30	H	.77
1N442B	300	.75	H	.77
1N443	400	.30	H	.95
1N443B	400	.75	H	.95
1N444	500	.30	H	1.02
1N444B	500	.75	H	1.02
1N445	600	.30	H	1.40
1N445B	600	.75	H	1.40
1N536	50	.75	H	.42
1N538	200	.75	H	.50
1N539	300	.75	H	.54
1N540	400	.75	H	.60
1N547	600	.75	H	.63
1N599	.50	.6	H	.40
1N599A	.50	.6	H	.52
1N600	100	.6	H	.45
1N600A	100	.6	H	.62
1N601	150	.6	H	.47
1N601A	150	.6	H	.63
1N602	200	.6	H	.48
1N602A	200	.6	H	.65
1N603	300	.6	H	.48
1N603A	300	.6	H	.65
1N604	400	.6	H	.56
1N604A	400	.6	H	.78
1N605	500	.6	H	.58
1N605A	500	.6	H	1.25
1N606	600	.6	H	.62
1N606A	600	.6	H	1.42
1N607	50	1.0	S	.96
1N607A	50	1.0	S	.96
1N608	100	1.0	S	.96
1N608A	100	1.0	S	.96
1N609	150	1.0	S	.96

Catalog Number	PIV (V)	Io (A)	Case	Net Each
1N609A	150	1.0	S	\$0.96
1N610	200	1.0	S	1.04
1N610A	200	1.0	S	1.04
1N611	300	1.0	S	1.33
1N611A	300	1.0	S	1.33
1N612	400	1.0	S	1.62
1N612A	400	1.0	S	1.62
1N613	500	1.0	S	1.77
1N613A	500	1.0	S	1.77
1N614	600	1.0	S	2.38
1N614A	600	1.0	S	2.38
1N1095	500	.75	H	.58
1N1096	600	.75	H	.62
1N1100	100	.75	H	.45
1N1101	200	.75	H	.48
1N1102	300	.75	H	.52
1N1103	400	.75	H	.54
1N1104	500	.75	H	.58
1N1105	600	.75	H	.62
1N1115	100	1.5	S	.99
1N1116	200	1.5	S	1.10
1N1117	300	1.5	S	1.40
1N1118	400	1.5	S	1.66
1N1119	500	1.5	S	1.75
1N1120	600	1.5	S	2.34
1N1124	200	3.0	S	1.49
1N1124A	200	3.3	S	1.49
1N1125	300	3.0	S	1.86
1N1125A	300	3.3	S	1.86
1N1126	400	3.0	S	2.25
1N1126A	400	3.3	S	2.25
1N1127	500	3.0	S	2.80
1N1127A	500	3.3	S	2.80
1N1128	600	3.0	S	3.38
1N1128A	600	3.3	S	3.38
1N1190A	50	12.0	S	1.99
1N1200A	100	12.0	S	1.35
1N1201A	150	12.0	S	1.80
1N1202A	200	12.0	S	2.25
1N1203A	300	12.0	S	3.10
1N1204A	400	12.0	S	3.48
1N1205A	500	12.0	S	4.00
1N1206A	600	12.0	S	4.45
1N1341B	50	6.0	S	.96
1N1342B	100	6.0	S	1.08
1N1343B	150	6.0	S	1.41
1N1344B	200	6.0	S	1.86
1N1345B	300	6.0	S	2.67
1N1346B	400	6.0	S	3.38
1N1347B	500	6.0	S	3.75
1N1348B	600	6.0	S	4.12
1N1487	100	.75	H	.37
1N1488	200	.75	H	.42
1N1489	300	.75	H	.45
1N1490	400	.75	H	.54
1N1491	500	.75	H	.58
1N1492	600	.75	H	.62
1N1537	50	1.6	S	1.42

Catalog Number	PIV (V)	Io (A)	Case	Net Each
1N1538	100	1.6	S	\$1.44
1N1539	150	1.6	S	1.47
1N1540	200	1.6	S	1.50
1N1541	300	1.6	S	1.83
1N1542	400	1.6	S	2.32
1N1543	500	1.6	S	2.80
1N1544	600	1.6	S	3.21
1N1592	100	.6	H	.36
1N1693	200	.6	H	.38
1N1694	300	.6	H	.47
1N1695	400	.6	H	.56
1N1696	500	.6	H	.60
1N1697	600	.6	H	.63
1N2246	50	10.0	S	1.60
1N2246A	50	10.0	S	1.60
1N2248	100	10.0	S	1.74
1N2248A	100	10.0	S	1.74
1N2250	200	10.0	S	2.08
1N2250A	200	10.0	S	2.08
1N2252	300	10.0	S	2.56
1N2252A	300	10.0	S	2.56
1N2254	400	10.0	S	3.20
1N2254A	400	10.0	S	3.20
1N2256	500	10.0	S	3.93
1N2256A	500	10.0	S	3.93
1N2258	600	10.0	S	4.70
1N2258A	600	10.0	S	4.70
1N2260	800	10.0	S	5.40
1N2260A	800	10.0	S	5.40
1N2262	1000	10.0	S	5.78
1N2262A	1000	10.0	S	5.78
1N2264	1200	10.0	S	7.65
1N2264A	1200	10.0	S	7.65
1N2265	1200	10.0	S	8.85
1N2265A	1200	10.0	S	8.85
1N3208 ⁺	50	15.0	VS	1.22
1N3209 ⁺	100	15.0	VS	1.45
1N3210 ⁺	200	15.0	VS	1.94
1N3211 ⁺	300	15.0	VS	2.62
1N3212 ⁺	400	15.0	VS	3.09
1N3213 ⁺	500	15.0	VS	5.83
1N3214 ⁺	600	15.0	VS	7.29
1N3491 ⁺	50	18.0	V	.68
1N3492 ⁺	100	18.0	V	.73
1N3493 ⁺	200	18.0	V	1.11
1N3494 ⁺	300	18.0	V	1.41
1N3495 ⁺	400	18.0	V	1.78
1N3569	100	3.5	S	1.23
1N3570	200	3.5	S	1.26
1N3471	300	3.5	S	1.80
1N3572	400	3.5	S	2.25
1N3473	500	3.5	S	2.72
1N3574	600	3.5	S	3.18
1N3659	50	25.0	V	1.26
1N3660	100	25.0	V	1.36
1N3661 ⁺	200	25.0	V	2.06
1N3662 ⁺	300	25.0	V	2.62
1N3663 ⁺	400	25.0	V	3.22

Catalog Number	PIV (V)	Io (A)	Case	Net Each
1N3664*	500	25.0	V	\$3.76
1N3665*	600	25.0	V	3.96
1N4816	50	1.5	B	.33
1N4817	100	1.5	B	.39
1N4818	200	1.5	B	.45
1N4819	300	1.5	B	.51
1N4820	400	1.5	B	.56
1N4821	500	1.5	B	.60
1N4822	600	1.5	B	.70
1N5197	50	3.0	A	.60
1N5198	100	3.0	A	.66
1N5199	200	3.0	A	.72
1N5200	400	3.0	A	.90
1N5201	600	3.0	A	1.17
A100	100	1.0	B	.34
A300	300	1.0	B	.38
A500	500	1.0	B	.42
A800	800	1.0	B	.52
H800	800	.75	H	1.11
S5A1	100	5.0	A	.66
S5A3	300	5.0	A	.81
S5A5	500	5.0	A	1.14
S5A8	800	5.0	A	1.47
SI1A	100	2.0	B	.37
SI3A	300	2.0	B	.41
SI5A	500	2.0	B	.45
SI8A	800	2.0	B	.52
SL1000	1000	12.0	S	7.15
VB50	50	3.0	VB	.58
VB100	100	3.0	VB	.62
VB200	200	3.0	VB	.68
VB300	300	3.0	VB	.75
VB400	400	3.0	VB	.78
VB500	500	3.0	VB	.83
VB600	600	3.0	VB	.93

* Also Available in
Reverse Polarity
Add Suffix R to Catalog
Number

ELECTROLYTIC CAPACITORS

Two very popular types are provided. The vertical mount single ended type with the most popular values used in transistor radios and transistorized TV applications. The tubular axial lead types are small in size used for replacement in filter coupling and bypass circuits. The non-polar (VNP) types can be used in speaker cross over networks.

AXIAL LEAD ELECTROLYTIC CAPACITORS

Part No.	Cap. μ F	Volts	Price
EPC100	1	50	\$1.10
EPC101	2	50	1.10
EPC103	5	50	1.10
EPC105	10	50	1.25
EPC107	25	50	1.52
EPC109	100	15	1.60
EPC111	100	50	1.80
EPC113	500	15	1.82
EPC115	500	50	3.23
EPC117	1000	15	3.31
EPC119	1000	50	4.37
EPC121	2000	15	3.80
EPC123	2000	50	4.65
EPC125	5000	15	6.98
EPC127	5000	50	7.17
EPC129	5	450	2.17
EPC131	10	450	2.33
EPC133	20	450	2.78
EPC135	50	450	3.77
EPC136	50	150	2.52
EPC137	80	450	4.88
EPC141	150	150	3.40
EPC142	40	450	3.23
EPC144	60	450	4.20
EPC146	100	450	5.43
EPC148	1	50*	1.90
EPC150	2	50*	1.90
EPC152	4	50*	1.90
EPC154	10	50*	2.02
EPC156	100	50*	3.27

* Non-polarized for speaker crossover networks.

VERTICAL MOUNT CAPACITORS

Part No.	Cap. μ F	Volts	Price
EPC170	1	63	\$0.65
EPC172	10	63	.75
EPC174	22	63	.80
EPC176	33	50	.80
EPC178	47	35	.80
EPC180	100	35	1.20
EPC182	220	50	1.75
EPC184	330	50	2.07
EPC186	470	50	2.68

GENERAL PURPOSE DISC CERAMIC CAPACITORS

Designed for coupling, bypass and other general replacement applications. Packaged two (2) per blister card.

Part No.	Cap.	Volts	Price Blister Card of 2
EPC200	.005	100	\$0.55
EPC202	.01	100	.55
EPC204	.02	100	.88
EPC206	.025	100	.88
EPC208	.05	100	.98
EPC210	.1	100	2.53
EPC212	.0001	1000	.55
EPC214	.00022	1000	.55
EPC216	.00033	1000	.55
EPC218	.00047	1000	.55
EPC220	.00068	1000	.55
EPC222	.00082	1000	.55
EPC224	.0010	1000	.55
EPC226	.0015	1000	.55
EPC228	.0022	1000	.55
EPC230	.0033	1000	.55
EPC232	.0047	1000	.55
EPC234	.0068	1000	.73
EPC236	.01	1000	.73
EPC238	.02	1000	.98
EPC240	.05	1000	1.68
EPC242	.05	12	.88

MALLORY EPC ELECTRONIC PARTS

This is a very broad line of the most popular electronic components for the technician, hobbyist and audio enthusiast. All parts are of high quality construction and will provide reliable long-life service. Attractive blister packages for easy self service.

Part No.	Cap.	Volts	Price Blister Card of 2
EPC244	.1	12	.88
EPC246	.15	12	1.07
EPC248	.22	12	1.13
EPC250	.33	12	1.53
EPC252	.1	25	1.68
EPC254	.15	25	1.43
EPC256	.22	25	1.87
EPC258	.01	50	.88
EPC260	.015	50	.88
EPC262	.02	50	.88
EPC264	.033	50	.98
EPC266	.05	50	1.07
EPC268	.068	50	1.43
EPC270	.1	50	1.53
EPC272	.001	500	.43
EPC274	.005	500	.43
EPC276	.01	500	.55
EPC278	.02	500	.85

FILM, BYPASS CAPACITORS

Radial 1/2" lead construction for ease of installation in printed circuit boards or point-to-point soldering. $\pm 10\%$ tolerance, rugged moisture-proof epoxy coating.

Part No.	Cap.	Volts	Price
EPC300	.22	100	\$0.88
EPC302	.33	100	1.03
EPC304	.5	100	1.15
EPC306	1.0	100	1.82
EPC308	2.0	100	2.82
EPC310	.068	600	.73
EPC312	.1	600	.83
EPC314	.2	600	1.15
EPC316	.33	600	1.70
EPC318	.47	600	2.75
EPC320	.5	600	2.77

CONTROLS — POTENTIOMETERS AND TRIMMERS

Designed for replacement use as volume and tone as well as service controls in black/white and color TV. A variety of configurations are offered including the conventional 1/8" diameter control with 1/4" diameter shaft; 1/2" controls with 1/8" diameter shafts; 1/2" trimmer controls (no shaft) and slide controls. There is also an SPST switch for attachment to the 1/8" diameter controls.

Part No.	Description	Taper	Price
EPC504	100 Ohm Trimmer	4*	\$0.80
EPC505	500 Ohm Trimmer	4*	.80
EPC506	1K Ohm Trimmer	4*	.80
EPC507	10K Ohm Trimmer	4*	.80
EPC508	50K Ohm Trimmer	4*	.80
EPC509	100K Ohm Trimmer	4*	.80
EPC510	250K Ohm Trimmer	4*	.80
EPC511	500K Ohm Trimmer	4*	.80
EPC512	1 Meg Ohm Trimmer	4*	.80
EPC513	100 Ohm Trimmer	4**	.80
EPC514	500 Ohm Trimmer	4**	.80
EPC515	1K Ohm Trimmer	4**	.80
EPC516	10K Ohm Trimmer	4**	.80
EPC517	50K Ohm Trimmer	4**	.80
EPC518	100K Ohm Trimmer	4**	.80
EPC519	250K Ohm Trimmer	4**	.80
EPC520	500K Ohm Trimmer	4**	.80
EPC521	1 Meg Ohm Trimmer	4**	.80
EPC522	1K Ohm Min Control	4	2.50
EPC523	5K Ohm Min Control w/Sw.	1	3.92



Part No.	Description	Taper	Price
EPC524	10K Ohm Min Control w/Sw.	1	3.92
EPC525	15K Ohm Min Control w/Sw.	1	3.92
EPC526	500K Ohm Min Control w/Sw.	1	3.92
EPC527	1 Meg Ohm Min Control w/Sw.	1	3.92
EPC528	1K Ohm Slide Control	4	2.22
EPC529	10K Ohm Slide Control	4	2.22
EPC530	50K Ohm Slide Control	4	2.22
EPC531	250K Ohm Slide Control	4	2.22
EPC532	1 Meg Ohm Slide Control	4	2.22
EPC540	5K Ohm Control	4	2.17
EPC541	5K Ohm Control	1	2.17
EPC542	10K Ohm Control	4	2.17
EPC543	50K Ohm	4	2.17
EPC544	100K Ohm	4	2.17
EPC545	500K Ohm	4	2.17
EPC546	500K Ohm	1	2.17
EPC547	1 Meg Ohm	4	2.17
EPC548	500K with Switch	1	1.33
EPC549	500K w/pp Switch	1	1.95
EPC550	1 Meg Ohm	1	2.17
EPC551	1 Meg with Switch	1	2.20
EPC552	1 Meg w/pp Switch	1	1.95
EPC553	5 Meg Ohm	4	2.17
EPC560	5 Watt w.w. 25 Ohm	4	2.25
EPC561	5 Watt w.w. 100 Ohm	4	2.25
EPC562	5 Watt w.w. 500 Ohm	4	2.32
EPC563	5 Watt w.w. 1K Ohm	4	2.32
EPC564	5 Watt w.w. 5K Ohm	4	2.67
EPC565	5 Watt w.w. 10K Ohm	4	2.67
EPC566	5 Watt w.w. 25K Ohm	4	3.00
EPC570	SPST Switch for use with EPC540 thru 553		.98

Taper #1 Audio
Taper #2 R.H. Log
Taper #4 Linear
*Vertical Mtg. Trimmer
**Horiz. Mtg. Trimmer

RESISTORS

Axial lead vitreous coated 5 and 10 watt resistors used extensively as voltage dividers and dropping resistors in TV sets.

Part No.	Watts	Resis. Ohms	Price
EPC602	5	10	\$1.23
EPC603	5	10	1.23
EPC605	5	25	1.23
EPC607	5	50	1.23
EPC608	5	100	1.23
EPC610	5	500	1.23
EPC612	5	1000	1.23
EPC614	5	2500	1.27
EPC616	5	5000	1.27
EPC618	5	10000	1.50
EPC620	5	25000	1.88
EPC622	10	5	1.45
EPC624	10	10	1.45
EPC626	10	25	1.45
EPC628	10	50	1.45
EPC630	10	100	1.45
EPC632	10	500	1.45
EPC634	10	1000	1.45
EPC636	10	2500	1.63
EPC638	10	5000	1.63
EPC640	10	10000	1.68
EPC642	10	25000	2.08

EPC Electronic Parts

SWITCHES

Low contact resistance and rugged design for long life.

Part Number	Description	Price
EPC700	Rotary Sw. 1 pole 2 pos. Non-shorting	\$2.88
EPC702	Rotary Sw. 1 pole 3 pos. Non-shorting	2.93
EPC706	Lever Sw. 2 pole 3 pos.	4.03
EPC708	Lever Sw. 2 pole 3 pos. Spring return	4.72
EPC710	Lever Sw. 4 pole 2 pos.	4.77
EPC712	Lever Sw. 4 pole 2 pos. Spring return	5.65
EPC714	Push Button Sw. SPST Break	2.00
EPC716	Push Button Sw. SPST Make	2.00
EPC718	Push Pull SPST	2.58
EPC720	Push Pull DPST	3.55
EPC722	Push Pull SPDT	3.55
EPC724	Rotary AC SPST	2.43
EPC726	Rotary AC DPST	3.23
EPC728	Rotary AC SPDT	3.23
EPC730	Stereo Speaker Switch	2.63
EPC732	Slide Switch SPST	2.25
EPC734	Rotary Sw. 1 pole 5 pos. Non-shorting	2.92
EPC736	Rotary Sw. 1 pole 12 pos. Non-shorting	2.92

AUDIO AND OTHER ACCESSORIES

Speaker controls designed for installation between the output of the amplifier and the speaker for maximum level control without distortion is a must. EPC801 through EPC831 provide a variety of wattage and impedance ratings to meet your every need. Balance and stereo controls are also provided. Jacks and plugs for many types of switching applications and circuits are offered. Other accessories include cable clamps, wire ties, clips, holders and circuit board hardware.

Part Number	Description	Price
EPC801	10 watt for 4 Ohm Spks.	\$5.53
EPC803	10 watt for 8 Ohm Spks.	5.53
EPC805	10 watt for 16 Ohm Spks.	5.53
EPC807	15 watt for 4 Ohm Spks.	5.73
EPC809	15 watt for 8 Ohm Spks.	5.73
EPC811	15 watt for 16 Ohm Spks.	5.73
EPC813	50 watt for 8 Ohm Spks.	8.93
EPC815	50 watt for 16 Ohm Spks.	8.93
EPC817	15 watt stereo 4 Ohm Spks.	12.43
EPC819	15 watt stereo 8 Ohm Spks.	12.43
EPC821	15 watt stereo 16 Ohm Spks.	12.43
EPC823	50 watt stereo 8 Ohm Spks.	17.82
EPC825	50 watt stereo 16 Ohm Spks.	17.82
EPC827	15 watt stereo balance 4 Ohm Spks.	12.08
EPC829	15 watt stereo balance 8 Ohm Spks.	12.08
EPC831	10 watt 4-8 Ohm Universal Stereo Cont.	5.23
EPC833	Jack 2 con. open circuit	1.23
EPC835	Jack 2 con. closed circuit	1.40
EPC837	Jack 3 con. open circuit	1.62
EPC839	Jack 2 con. open circuit	1.23
EPC841	Jack 3 con. open circuit	4.77
EPC843	Plug Microphone adp.	1.02
EPC845	Plug 2-way plastic handle	1.52
EPC847	Plug 2-way metal w/cable clamp	3.48
EPC849	Plug 2-way metal handle	2.18
EPC851	Plug 3-way plastic handle	2.95
EPC853	Plug 3-way metal handle w/cable clamp	3.87
EPC855	Plug 2-way Miniature	1.23
EPC862	Plug, 2.5mm dia. 2-way phenolic handle	1.72

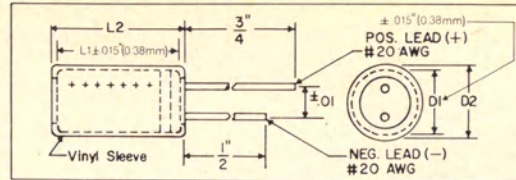
Part Number	Description	Price
EPC864	Plug, 3.5mm dia. 2-way phenolic handle	1.72
EPC866	Ext. Jack, 2.5mm dia. 2 cond. open circuit	2.32
EPC868	Ext. Jack, 3.5mm dia. 2 cond. open circuit	2.32
EPC870	Jack, 2.5mm dia. 2 cond. open circuit	1.95
EPC872	Jack, 3.5mm dia. 2 cond. open circuit	1.95
EPC900	(10) 1/4" dia. Nylon cable clamps	1.08
EPC901	(10) 3/16" dia. nylon cable clamps	1.08
EPC902	(10) 3/8" dia. nylon cable clamps	1.08
EPC903	(10) 3/8" dia. nylon cable clamps	1.08
EPC904	(10) 1/2" dia. nylon cable clamps	1.08
EPC905	(10) 1/8" dia. ethyl cellulose plastic clamps	1.08
EPC906	(10) 1/4" dia. ethyl cellulose plastic clamps	1.08
EPC907	(10) 3/8" dia. ethyl cellulose plastic clamps	1.08
EPC908	(10) 3/8" dia. ethyl cellulose plastic clamps	1.08
EPC909	(10) 3/8" dia. ethyl cellulose plastic clamps	1.08
EPC910	(10) 1/2" dia. ethyl cellulose plastic clamps	1.08
EPC911	(10) .300"-.400" dia. Twist Loc® wire ties	1.08
EPC912	(10) .400"-.500" dia. Twist Loc® wire ties	1.08
EPC913	(10) .700"-.800" dia. Twist Loc® wire ties	1.08
EPC914	(10) 3/8" dia. component clips	1.65
EPC915	(10) 1/4" dia. component clips	1.98
EPC916	(10) 1/2" dia. component clips	1.65
EPC917	(10) 7/8" dia. component clips	2.18
EPC918	(10) 3/4" dia. component clips	1.65
EPC919	(10) .225" capacity wire saddles	1.08
EPC920	(10) Tension clips	1.08
EPC921	(10) 1/8" dia. Kwick-Klip clips	2.37
EPC922	(10) 1/4" dia. Kwick-Klip clips	2.37
EPC923	(10) 1/4" dia. Kwick-Klip clips	2.55
EPC924	(10) 3/8" dia. Kwick-Klip clips	2.37
EPC925	(10) 3/8" dia. Kwick-Klip clips	2.73
EPC926	(10) 1/2" dia. Kwick-Klip clips	2.37
EPC927	(10) 1/4" dia. Kwick-Klip clips	2.55
EPC928	(10) 4" beaded wire ties	1.08
EPC929	(10) 5" beaded wire ties	1.08
EPC930	(10) 1/2" plastic spacers	1.07
EPC931	(10) 1" hex spacers	1.07
EPC932	(10) Strain relief bushings	1.07
EPC933	(10) Strain relief bushings	1.27
EPC934	(10) Flat wire tie holders, self-stick	1.64
EPC935	(10) Flat wire tie holders, screw mount	1.45
EPC936	(10) 3/8" capacity cable hangers	1.07
EPC937	(10) 1" circuit board guides	3.10
EPC938	(10) 3" circuit board guides	2.37
EPC939	(10) .125" spacer nuts	1.07
EPC940	(10) Circuit board pullers	4.75

Part Number	Description	Price
EPC941	(10) Screw mount wrap-it-ties 1/8"-1 1/4" capacity	2.18
EPC942	(10) Wrap-it-ties 1/8"-3/4" capacity	1.07
EPC943	(10) Screw mount wrap-it-ties 1/8"-1 1/4" capacity	1.82
EPC944	(10) Wrap-it-ties 1/8"-1 1/4" capacity	1.07
EPC945	(10) Wrap-it-ties 1/8"-1 3/4" capacity	1.27
EPC946	(10) Wrap-it-ties 1/8"-4" capacity	1.07
EPC947	(10) 1/4" Circuit board supports	1.07
EPC948	(10) 3/8" Circuit board supports	1.07
EPC950	Circuit breaker 3.1 amp	2.03
EPC951	Circuit breaker 3.5 amp	2.03
EPC952	Circuit breaker 4.0 amp	2.03
EPC953	Circuit breaker 4.4 amp	2.03
EPC954	Circuit breaker 6.1 amp	2.03
EPC957	Extension shaft	2.25
EPC958	3/4" panel shoulder	1.92
EPC959	1/2" panel shoulder	1.70
EPC960	Nut	1.65
EPC961	Knob	2.08
EPC970	2.5 amp, 1000 V rectifier	1.03
EPC972	.05 amp, 50 V diode	.53
EPC974	.05 amp, 60 V diode	.65
EPC976	Full wave bridge rectifier, 2 amp 600 V	3.08
EPC978	Zener diode 3.6 V	2.23
EPC980	Zener diode 5.6 V	2.23
EPC982	Zener diode 9.1 V	1.13
EPC984	Zener diode 12 V	1.13
EPC985	(10) 1/2" circuit board supports	1.08
EPC986	(10) 3/16" locking circuit board supports	1.27
EPC987	(10) 1/2" locking circuit board supports	1.27
EPC988	(10) 1/4" dual locking circuit board spacers	1.27
EPC989	(10) 3/8" dual locking circuit board spacers	1.27
EPC990	(10) 3/8" screw fastened circuit board supports	1.82
EPC991	(10) 1/2" screw fastened circuit board supports	1.82
EPC992	(10) 1/2" circuit board stacking spacers	1.82
EPC993	(10) 6" beaded wire ties	1.45
EPC994	(10) 8" beaded wire ties	1.27
EPC995	(10) 5" push button wire ties	1.08
EPC996	(10) .340" capacity wire saddles	1.08
EPC997	(10) 3/64" locking wire saddles	1.08
EPC998	(10) extra wide wire saddles	1.27
EPC999	(10) 3/8" x 1/4" Kwick-Klip for 3 wire leads	3.10
EPC1000	(10) 1/32" snap-in mounting buttons	1.27
EPC1001	(10) 1-1 1/2" flat cable clamps	2.55
EPC1002	(10) 1/4" aluminum cable clamps	2.18
EPC1003	(10) 3/8" aluminum cable clamps	2.18
EPC1004	(10) 3/8" aluminum cable clamps	2.37
EPC1005	(10) 1/2" aluminum cable clamps	2.37
EPC1006	(10) 1/2" wide-3/16" nylon cable clamps	1.08
EPC1007	(10) 1/2" wide-1/4" nylon cable clamps	1.08
EPC1008	(10) 1/2" wide-5/16" nylon cable clamps	1.08
EPC1009	(10) 1/2" wide-3/8" nylon cable clamps	1.08
EPC1010	(10) 1/2" wide-1/2" nylon cable clamps	1.08

VTT Capacitor - Industrial Grade

Designed for industrial applications where long life rugged construction are essential. Excellent performance and stability is provided over temperature range of -40°C to $+85^{\circ}\text{C}$. Non-polar ratings available on special order.

OUTLINE DIMENSIONS



L1 Bare Can Length
L2 Insulated Can Length
TOL. $\pm .015''$, (0.38 mm)

D1 Bare Can Diameter
D2 Insulated Can Diameter
TOL. $\pm .015''$, (0.38 mm)

Lead wires — #20 AWG, Tinned copper
* Positive Lead — designated by series of plus (+) signs adjacent to and aligned with positive lead wire

CASE	UNINSULATED				INSULATED				LEAD SPACING	
	Inch Dia. D1	Inch Lng. L1	mm Dia. D1	mm Lng. L1	Inch Dia. D2	Inch Lng. L2	mm Dia. D2	mm Lng. L2	Inch	mm
AF	.400 x	.577	10.16 x	14.65	.415 x	.590	10.54 x	14.98	.200	5.08
AM	.400 x	.669	10.16 x	16.99	.415 x	.680	10.54 x	17.27	.200	5.08
AH	.400 x	.702	10.16 x	17.83	.415 x	.715	10.54 x	18.16	.200	5.08
DN	.437 x	1.00	11.09 x	25.40	.453 x	1.015	11.51 x	25.78	.200	5.08
EE	.500 x	1.25	12.70 x	31.75	.515 x	1.265	13.08 x	32.13	.200	5.08
GN	.625 x	1.00	15.88 x	25.40	.640 x	1.015	16.26 x	25.78	.300	7.62

VTT CAPACITORS STANDARD RATING TABLE -40°C to $+85^{\circ}\text{C}$

μF 120 Hz	Case Size	DCL MICROAMPS -25°C 5 Min	ESR OHMS +25°C 120 Hz	RMS RIPPLE Ma +85°C 120 Hz	CATALOG No.
6 VOLTS WVDC					
220	.400 x .577	16.0	2.484	120	VTT221T006AF3
290	.400 x .669	19.7	1.848	145	VTT291T006AM3
370	.400 x .702	23.6	1.481	165	VTT371T006AH3
950	.437 x 1.00	48.0	0.574	325	VTT951T006DN3
1900	.500 x 1.25	80.6	0.277	560	VTT192T006EE3
2200	.625 x 1.00	90.0	0.246	610	VTT222T006GN3

10 VOLTS WVDC					
170	.400 x .577	18.8	2.530	115	VTT171T010AF3
230	.400 x .699	23.6	1.882	145	VTT231T010AM3
290	.400 x .702	28.1	1.508	165	VTT291T010AH3
750	.437 x 1.00	57.3	0.585	325	VTT751T010DN3
1500	.500 x 1.25	96.4	0.282	555	VTT152T010EE3
1700	.625 x 1.00	106.	0.251	600	VTT172T010GN3

16 VOLTS WVDC					
120	.400 x .577	23.2	2.583	115	VTT121T016AF3
170	.400 x .669	30.	1.922	140	VTT171T016AM3
200	.400 x .702	35.3	1.540	160	VTT201T016AH3
540	.437 x 1.00	72.	0.597	320	VTT541T016DN3
1100	.500 x 1.25	122.	0.288	550	VTT112T016EE3
1200	.625 x 1.00	130.5	0.256	600	VTT122T016GN3

25 VOLTS WVDC					
65	.400 x .577	22.4	2.720	110	VTT650T025AF3
85	.400 x .669	28.0	2.025	140	VTT850T025AM3
100	.400 x .702	31.6	1.622	160	VTT101T025AH3
270	.437 x 1.00	66.6	0.629	310	VTT271T025DN3
570	.500 x 1.25	116.7	0.303	530	VTT571T025EE3
640	.625 x 1.00	127.2	0.270	580	VTT641T025GN3

35 VOLTS WVDC					
45	.400 x .577	24.6	2.798	100	VTT450T035AF3
60	.400 x .669	31.	2.082	135	VTT600T035AM3
75	.400 x .702	36.4	1.668	155	VTT750T035AH3
200	.437 x 1.00	74.5	0.647	300	VTT201T035DN3
400	.500 x 1.25	127.0	0.312	525	VTT401T035EE3
460	.625 x 1.00	139.0	0.277	570	VTT461T035GN3

μF 120 Hz	Case Size	DCL MICROAMPS -25°C 5 Min	ESR OHMS +25°C 120 Hz	RMS RIPPLE Ma +85°C 120 Hz	CATALOG No.
50 VOLTS WVDC					
30	.400 x .577	25.0	2.951	100	VTT300T050AF3
40	.400 x .669	31.2	2.196	130	VTT400T050AM3
50	.400 x .702	37.0	1.760	150	VTT500T050AH3
120	.437 x 1.00	72.5	0.682	300	VTT121T050DN3
260	.500 x 1.25	129.5	0.329	500	VTT261T050EE3
300	.625 x 1.00	141.0	0.293	560	VTT301T050GN3

ORDERING INFORMATION

VTT	102	U	016	GN	3
					INSULATING SLEEVE 0 = No sleeve 3 = Blue heat shrinkable polyvinyl-chloride (PVC) sleeve (Standard)
					CASE CODE: (See table of dimensions or size chart)
					DC VOLTAGE RATING: Expressed in volts. Zeros are used to precede the voltage rating where necessary to complete the three digit block.
					CAPACITANCE TOLERANCE: T = -10% + 50% (Standard) M = $\pm 20\%$
					CAPACITANCE: Expressed in microfarads. The first two digits are significant figures, the third is the number of zeroes.
MALLORY TYPE NUMBER					
			MICROFARADS	CODE EXAMPLE	
			3	3R0	
			10	100	
			100	101	
			1000	102	

CONTACT YOUR LOCAL MALLORY DISTRIBUTOR FOR PRICING AND DELIVERY.

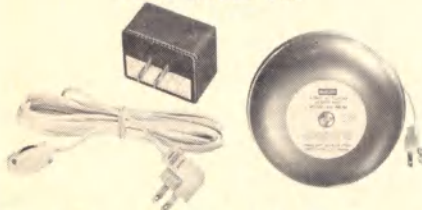
Security Products

INTRUSION ALARM MODEL CA3



This area-and-perimeter device creates and transmits an ultrasonic wavelength field for detection up to a distance of 20 feet. Virtually any movement by an intruder (or a break in the perimeter circuits) activates the built-in horn and the remote outlet for two minutes. After two minutes a new intrusion will again activate the horn and remote outlet. Special circuitry guards against false alarms from line transients and insects. Attractive walnut-grain finish. Can be used with a variety of companion indoor or outdoor devices. Suggested list price\$152.96

MANUAL CONTROL PACK MODEL SS3



The MANUAL CONTROL PACK is a complete alarm system for use while you are at home. Installation is simple. Merely plug the Manual CONTROL CORD into a 120 volt AC outlet and plug the ALARM TRIGGER into the MANUAL CONTROL CORD cap. The ALARM BELL is wired with 9 feet of cord and may be placed indoors or outdoors protected from the weather. In some cases, it may even be placed at your neighbor's house provided his house is wired to the same power transformer as yours. When the MANUAL CONTROL CORD is switched ON, the ALARM TRIGGER sends a signal through the 120 volt AC power line to the ALARM BELL which goes on and continues to ring until you turn off the MANUAL CONTROL CORD switch.

Suggested list price\$77.59

CLOSED CIRCUIT ALARM MODEL CCA



Simple installation—no drilling or cutting into walls. Attach low voltage wire to magnetic switches at door or window entry points and connect them to contacts in the handsome control box. A loud horn, timer, heavy duty six volt battery, operating controls and external alarm terminals are all inside the control box. Accessories for even greater protection are available. Included with this system are two sets of magnetic switches, 100 feet of low voltage wire, one six volt battery, a box of insulated staples and warning decals.

Suggested retail priceeach \$145.00

MALLORY CAR ALARM MODEL ABA1



Protect your car from intrusion and possible theft with the Mallory Car Alarm! The Model ABA1 is designed for cars using a 12-volt battery system. Switches attach to doors, hood and trunk. The keylock switch arms and disarms the alarm. When armed no one can open your car doors, hood or trunk without turning on the loud warning siren and the siren continues sounding until the keylock switch is turned off. You disarm the siren with the keylock switch before entering your car. Contents of the ABA1 Car Alarm package include sufficient mounting brackets and screws plus a loud warning siren, six alarm switches, one keylock switch with keys, fifty feet of wiring and warning decals.

Suggested list price\$39.43

ALARM ACCESSORIES

- **TAPE SWITCH FLOOR MAT Model EM26** — Floor mat has metallic strip switches which close on foot contact causing Model CCA or Model CA3 to alarm. Transparent green. Measures 24" x 30" x 3/32" thick. Can be cut to desired length. Virtually invisible under rugs. Suggested list price \$15.84.
- **WEATHERPROOF SIREN Model DCS2** — Loud whooping (96 db @ 10 ft.) siren is designed to operate at 12 volts d.c. Draws .5 amp @ 12 volts, 1 amp. max. Suggested list price \$39.67.
- **WEATHERPROOF SIREN Model DCS3** — Loud whooping (93 db @ 10 ft.) siren is designed to operate at 6 volts d.c. Draws .3 amp @ 6 volts, .8 amp max. Suggested list price \$39.67.
- **MAGNETIC SWITCH Model MDS1B2** (2 per package) — Normally open contacts for closed circuit alarms. For CCA and CA3. Suggested list price \$5.12.
- **HEAT SENSOR Model THR1B2** (2 per package) — Designed for normally open contacts to warn of fire or heat above 135°F for protection in living areas. U.L. listed For CCA and CA3. Suggested list price \$7.65.
- **PANIC SWITCH Model PBS1B2** (2 per package) — Over-rides system and instantly sounds alarm. Normally open contacts. For CCA and CA3. Suggested list price \$1.43.
- **LOCKSWITCH Model RS1** — Adjusts to any door thickness. Round key cannot be duplicated. Individually keyed. Used to turn alarm ON or OFF during entry and exit. Rated at 10 Amp. For CCA and CA3. Suggested list price \$12.85.
- **LOCKSWITCH Model FKS1** — Flat key. Individually keyed. Used to turn alarm ON or OFF during entry or exit. Rated at 10 Amp. For CCA and CA3. Suggested list price \$6.43.
- **SELF-STICKING WINDOW FOIL Model WF883** — Aluminum foil in self-sticking 50 ft. roll, 3/8" wide. For use on windows in closed circuit perimeter protection when wired to CA3 or CCA. Suggest list price \$7.00.
- **SELF-STICKING WINDOW FOIL CONNECTORS Model WC681** — Package of ten (10) self-sticking connectors for use with WINDOW FOIL TAPE WF883. Connector fits on edge of

glass and connects wire from CA3 or CCA to window foil. Suggested list price \$3.70.

- **DOOR CORD Model DC570** — 12" flexible cord used to connect across the hinge side of door. Used in closed circuit perimeter protection with window tape and magnetic switches. Suggest list price \$2.12.

ALARM HOOK-UP WIRE Model DSW1 — #20 AWG for use with Mallory alarms and switches. 50 ft. (not shown). For CCA and CA3. Suggested list price \$3.60.

"BIG BRUISER" SIX VOLT BATTERY Model M918 — Standard power source for Model CCA Closed Circuit Alarm. (not shown). Suggested list price \$5.25.

WARNING DECALS Model DE1 (6 per package) — "PROTECTED BY MALLORY SECURITY PRODUCTS" Black on yellow. (not shown). Suggested list price \$0.56.

VIBRATING BELL Model 60006 — Six inch diameter with sound level of 88 db at 10 ft. For wiring into a 120 volt A.C. circuit. U.L. listed. 0.06 AMP. For CA3. Suggested list price \$25.25.

VIBRATING BELL Model 60007 — DC powered bell. Operates on 12 volts. Draws 6 amps. Produces 88 db @ 10 feet. Use with CCA. Suggested list price \$23.58.

WEATHERPROOF SIREN Model ACS2 — Weatherproof case allows placement of this siren indoors or outdoors. Sound output 114 db at 5 feet. For wiring into 120 VAC circuit. U.L. listed. 2 AMP. Suggested list price \$25.42.

WEATHERPROOF HORN Model ACH1 — Weatherproof aluminum case allows placement of this horn indoors or outdoors. Loud (100 db @ 10 feet). For wiring into 120 volt A.C. circuit U.L. listed. 0.15 AMP For CA3. Suggested list price \$34.07.

ROTATING RED LIGHT Model RRL1 — All weather operation. Rotation 360°. 10,000 candlepower locates alarm site day or night. For wiring into 120 VAC circuit. 30 Watt, .22 Amp. For CA3. Suggested list price \$86.48.

- **REPLACEMENT BULB Model 25T8DC** — Replacement bulb for rotating red light model RRL1. 25atts. Suggested list price \$2.00.

EASY-TIME TIMER Model ET24S — Timer turns lights or appliances ON and OFF once each 24 hours. Rated 12 amperes, 1500 watts. Suggested list price \$12.63.

Request Bulletin 9-654A for complete information on Security Products.



CONTINUED →

Security Products

SIGNAL ACTIVATED ALARM COMPONENTS

No additional wiring is needed to install these components. They plug into 120 VAC outlets and transmit or receive silent signals through regular house wiring. Standard transmission frequencies are 185 KHZ and 200 KHZ. Components tuned to different frequencies will not interfere with each other. All components have stable crystal tuning for reliable

operation over wide weather conditions. Any number of components may be plugged into 120 VAC outlets which are served from the same power transformer. In many cases, the signal will travel between houses and apartments which have a common transformer.

MANUAL CONTROL CORD Model RCC1 — 15 ft. cord with switch on one end and an appliance cap plug on the other end. Suggested list price **\$3.90**.

ALARM TRIGGER Model RT185 — transmits 185 KHZ signal into power line. Suggested list price **\$18.85**.

ALARM TRIGGER Model RT200 — transmits 200 KHZ signal into power line. Suggested list price **\$17.85**.

ALARM BELL Model RB185 — rings when signal is received from RT185 (88 db at 10 ft.) Suggested list price **\$36.59**.

ALARM BELL Model No. RB200 — rings when signal is received from RT200 (88 db at 10 ft.) Suggested list price **\$66.70**.

WEATHERPROOF SIREN Model RS185A — sounds when signal is received from RT185 (116 db at 10 ft.) Suggested list price **\$36.59**.

ALARM TRIGGER MODEL RT185S — Connects to magnetic switches MDS1B2 and plugs into 120 VAC outlet. When magnetic switch is opened RT185S transmits signal through power lines to signal activated alarms. Suggested list price **\$27.83**.

WEATHERPROOF SIREN Model RS200A — sounds when signal is received from RT200 (116 db at 10 ft.) Suggested list price **\$64.98**.

SONALERT Model RH185 — sounds when signal is received from RT185 (70 db at 2 ft.) Suggested list price **\$25.24**.

• **SONALERT SIGNAL Model RH200** — Sound when signal is received from RT200 (70 db @ 2 ft.). Suggested list price **\$33.50**.

WEATHERPROOF HORN Model ROH185 — sounds when signal is received from RT185 (100 db at 10 ft.) Suggested list price **\$44.41**.

WEATHERPROOF HORN Model ROH200 — sounds when signal is received from RT200 (100 db at 10 ft.) Suggested list price **\$69.83**.

OUTLET Model RO185 — energizes with 120 VAC when signal is received from RT185. Suggested list price **\$35.18**.

OUTLET Model RO200 — energizes with 120 VAC when signal is received from RT200. Suggested list price **\$35.18**.

• **LINE COUPLER Model RSC1** — Use with signal activated components couples the 185KHz or 200KHz signal generated by the transmitter to both sides of the 120 VAC line. Improves signal strength at all outlets. Designed to fit a 240 VAC plug, just remove range or dryer plug from AC socket, slip the RSC1 over plug terminals and reinsert plug into AC socket. Suggested list price **\$3.22**.



•Mallory UHO Series Blank Recording Tape

UHO Series — Cassette Recording Tape

Designed for ultra high output and low noise recording. UHO series is made for the demanding user who wants the highest performance from his recordings. Each tape is packaged in a transparent hard plastic box.

Mallory Part No.	Description *	Sugg. Retail Price Each
CAS40	40 minute	\$1.89
CAS60	60 minute	2.19
CAS90	90 minute	2.69
CAS120	120 minute	3.09

UHO Series — 8-Track Cartridges

Instant loading blank UHO series 8-track cartridges are made to exacting specifications for faithful sound reproduction. Designed for ultra-high output and low noise recording.

Mallory Part No.	Description *	Sugg. Retail Price Each
8TR40	40 minute	\$2.29
8TR50	50 minute	2.49
8TR80	80 minute	2.79
8TR100	100 minute	3.19

*Minutes shown are for total recording time on both sides of the tape. Example: 40 minutes means 20 minutes per side.



Mallory Merchandise Displays

(Pictured inside front cover)

1. Security Products Merchandisers

CATALOG NUMBERS SAF1 (BOXED ITEMS), SAF2 (CARDED ITEMS)

Two different assortments available. Traffic stopping displays appeal to the "do it yourself" trade. Complete alarm systems, car alarms, and plenty of accessories to allow customers to personalize their own security systems. Each display complete with header sign, pegboard hooks/or shelves and descriptive literature.

2. Sonalert® Merchandisers

CATALOG NUMBERS SONA8A, SONA8B

Two assortments available, featuring the eye-catching blister carded Sonalerts. Durable revolving counter-top displays include workable demonstrator unit incorporated into header sign.

• 3. Mallory Solderless Terminal Centers

CATALOG NUMBERS STC1, STC2

Two different assortments available. Each display contains 50 part numbers in attractive blister cards, plus selection of crimping tools, and pre-packaged assortments in reusable plastic boxes. Each display complete with header sign, hooks and binning.

4. PTC Semiconductor Center

CATALOG NUMBER PTC5SA

Two attractive floorstand merchandisers carry 168 different blister carded part numbers of the hottest movers in replacement semiconductors. Transistors, diodes, multiple diode packages, Zenor diodes and integrated circuits are included. Complete with two free floorstand displays, header signs and pegboard hooks.

• 5. UHO Tape Centers

CATALOG NUMBERS UHO1, UHO2

Attractive counter display available in two assortments. UHO1 contains 48 tapes, cassette and 8-track. UHO2 contains 96 tapes. Displays complete with merchandise, rack and colorful header sign.

6. EPC Electronic Parts Centers

CATALOG NUMBER EPCA1, EPCG2 (All carded items)

Electronic parts centers have popular capacitors controls, resistors, switches, jacks, plugs, speaker-level controls, replacement semiconductors fastening devices and other products needed by technicians, hobbyists, and audio enthusiasts. Two merchandising packages are available, EPCA1 audio assortment, with one floorstand display and EPCG2, consisting of 2 displays. All complete with header signs and hooks.

Mallory Component Storage Bins

(Pictured inside back cover)

Durable Deluxe Metal Mallobins®

- 2MOL2001D — 10 each of all 2MOL type resistors
- 3MOL2001D — 10 each of all 3MOL type resistors
- 4MOL2001D — 10 each of all 4MOL type resistors
- 5MOL2001D — 10 each of all 5MOL type resistors
- 7MOL2001D — 10 each of all 7MOL type resistors
- MP2001D — 10 each of all MM & MP type capacitors
- MR2001D — assortment of most popular MR controls
- MS2001D — 3 each of most popular MS slide controls
- MTC2001D — 6 each of all MTC trimmer controls
- SX2001D — 5 each of all 600v. SX type capacitors
- SXLM2001D — 5 each of all SXL and SXM type capacitors
- SXLM2002D — 5 each of all SX-SXL-SXM capacitors (2 cabinets)
- VTT2001D — 20 each of all VTT type capacitors
- VTT2001HD — 10 each of all VTT type capacitors
- TT2001D — 54 values of TT aluminum electrolytic capacitors
- CBSC2001X — 49 types of semiconductors for CB radio applications
- CBSC2001Y — 68 types of capacitors for CB radio applications
- CBSC2001Z — 47 capacitors, 12 controls for CB radio applications
- CCC1 — 73 values of GP, SPG type ceramic capacitors
- CCC2 — 71 values of CN, JF, JL type ceramic capacitors
- CCC3 — 49 values of MAG, TA, SM type ceramic capacitors
- CCC4 — 40 values of HV, DY type ceramic capacitors
- MLC2001D — 25 ratings of MLC type carbon controls

LS2001D — Rotary display will accommodate up to 20 of the above cabinets.

MALLOBINS® 15 Drawer Plastic Cabinets

Compact size: 7½" high, 9¾" wide, 6¼" deep

- TC15-1 — 15 ratings of TC type capacitors
- TT15-1 — 15 ratings of TT type capacitors
- PVC15-1 — 29 ratings of PVC type capacitors
- MP15-1 — 19 ratings of MP type capacitors
- VTT15-1 — 45 ratings of VTT type capacitors
- SX30-1 — 73 ratings of SX capacitors (2 cabinets)
- GP30-1 — 70 ratings of GP capacitors (2 cabinets)
- MAG15-1 — 38 ratings of MAG type capacitors
- MR15-1 — 25 types of MR controls plus shafts
- MTC15-1 — 58 types of MTC controls
- UL15-1 — 12 types of UL series circuit breakers
- CBT15-1 — 24 types of CBT series circuit breakers
- MS151SY — 12 types of MS slide controls
- MS151RC — 10 types of MS slide controls
- MS151MA — 21 types of MS slide controls
- MS251 — 44 types of MS slide controls (2 cabinets)
- MOL2W15-1 — 40 values of 2 watt MOL type resistors
- MOL3W15-1 — 39 values of 3 watt MOL type resistors
- MOL4W15-1 — 39 values of 4 watt MOL type resistors
- MOL5W15-1 — 38 values of 5 watt MOL type resistors
- MOL7W15-1 — 38 values of 7 watt MOL type resistors
- PTC1M — 17 types of PTC semiconductors
- ZB15-1 — 36 types of ZB series Zener diodes
- CBM15C1 — 24 ratings of capacitors for CB radio applications
- CBM15C2 — 19 ratings of capacitors for CB radio applications
- CBM15C3 — 33 ratings of capacitors for CB radio applications
- CBM15C4 — 39 ratings of capacitors for CB radio applications
- CBM15P — 12 types of controls for CB radio applications
- CBM30SA — 49 types of semiconductors for CB radio (2 cabinets)

SEE YOUR LOCAL MALLORY DISTRIBUTOR FOR COMPLETE INFORMATION AND PRICING ON ALL OF THE MERCHANDISERS AND STORAGE BINS LISTED ON THIS PAGE.

MALLORY COMPONENT STORAGE BINS

SEE PAGE 80 FOR ORDERING INFORMATION AND FULL DESCRIPTION

DURABLE, DELUXE METAL MALLOBINS®

STACKABLE ON "LAZY SUSAN" BELOW.



MALLOBINS® *Containing selected component assortments*



SEE PAGE 80 FOR COMPLETE MALLOBIN® LISTING

Box 1284, Indianapolis, Indiana 46206; Telephone: 317-856-3731

